COMMERCIAL

FRIDAY, FEBRUARY 5, 1960 ONE SHILLING



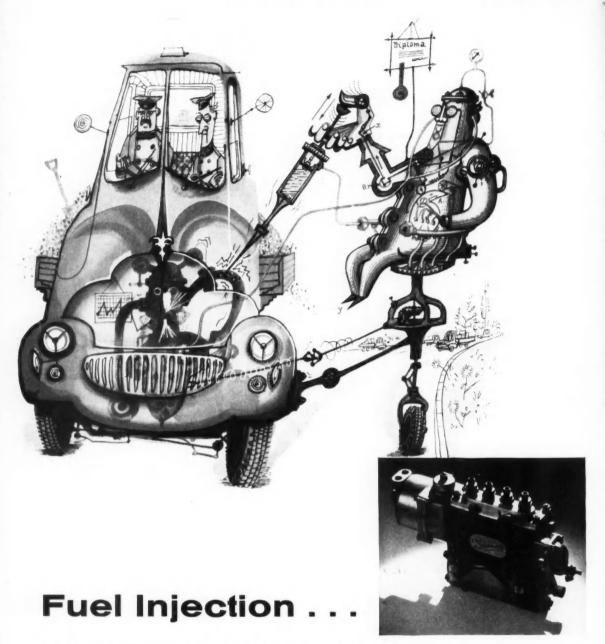
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50,000 Bedford trucks built in 1959
Highest-ever truck sales in 1959

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Based on latest available Board of Trade statistics for first nine months of 1959, compared with Bedford production for the same period.

Better buy Bedford



Mr. Well's time machine (which hasn't been invented yet) was demonstrated—by candlelight—in the cosy Victorian back room from which it took off for centuries from now. That was about the time (1895) F. R. Simms was burning the midnight gas at work on magneto ignition.

Looking back to those ornate days Mr. Emett, as you can see from his design, was far ahead. He was already thinking in terms of light diesels and fuel injection. But his automaton, who gave the injections, hasn't been invented either. Instead, a very neat little pump—made nowadays in enormous numbers by the firm that F. R. Simms founded to make magnetos—does the job perfectly... And leaves the right hand side of the road free for American cars. (The same pump on vans in America leaves the left hand side of the road free for British cars.)



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200,000 miles without trouble is commonplace

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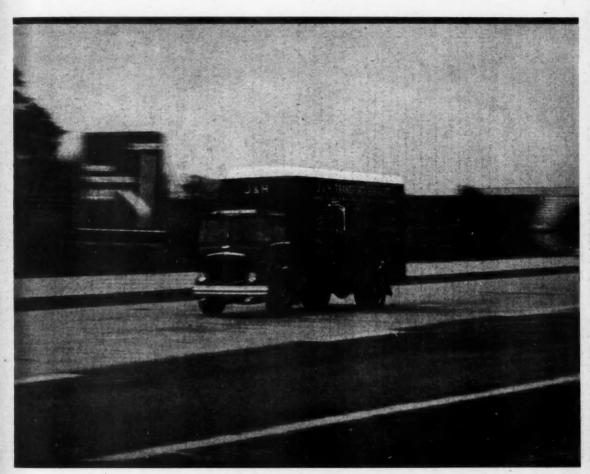
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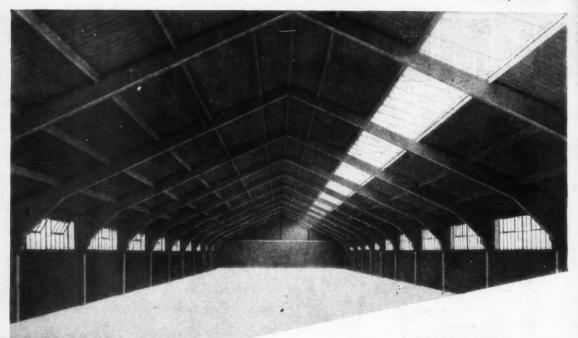
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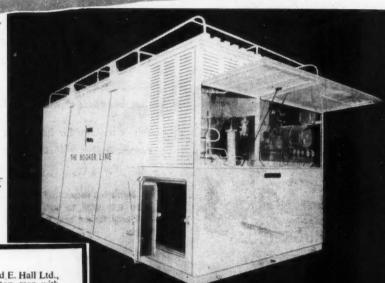
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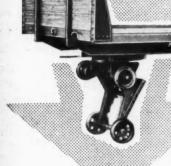
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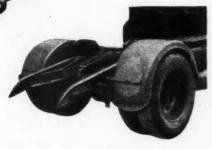


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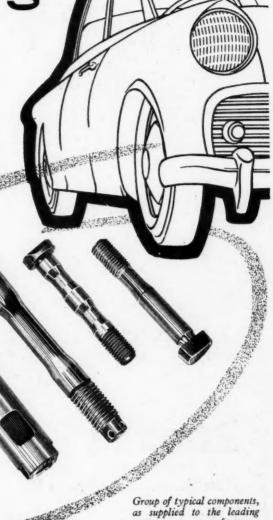
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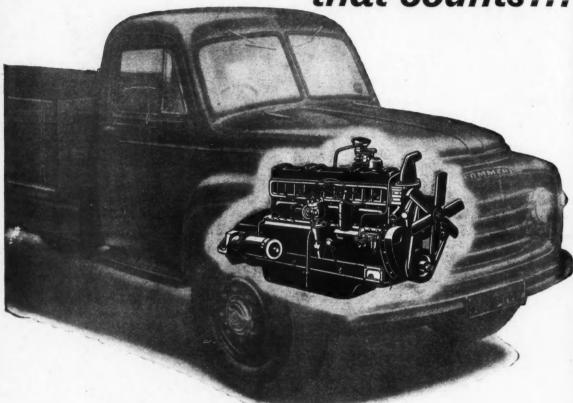
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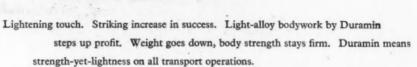
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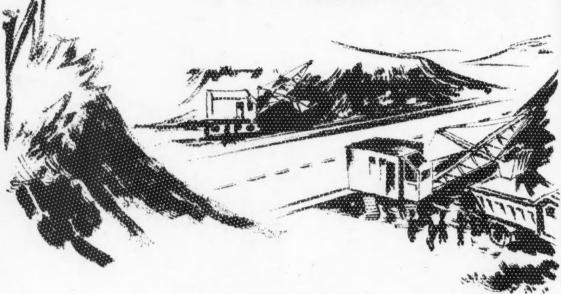
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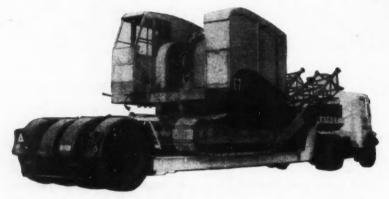
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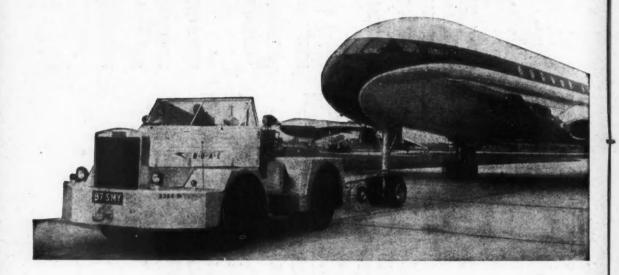
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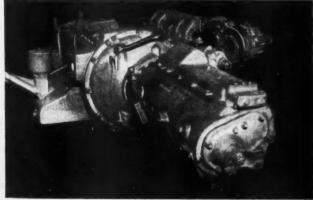
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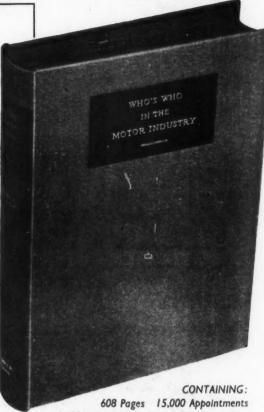
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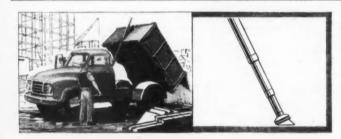
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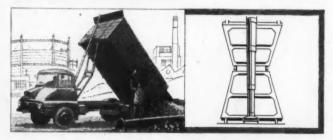
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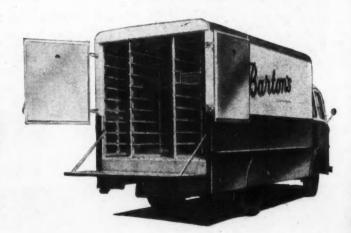
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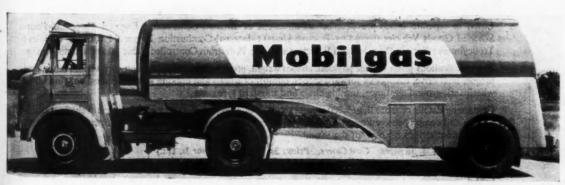
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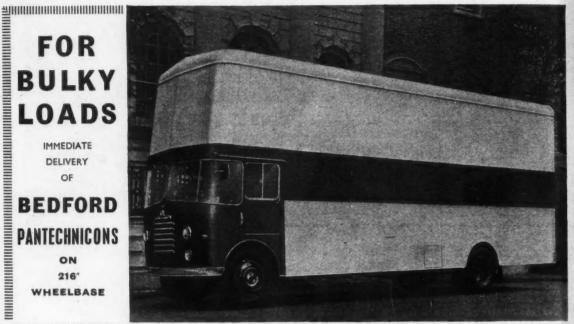
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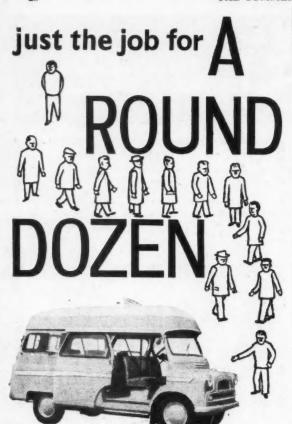
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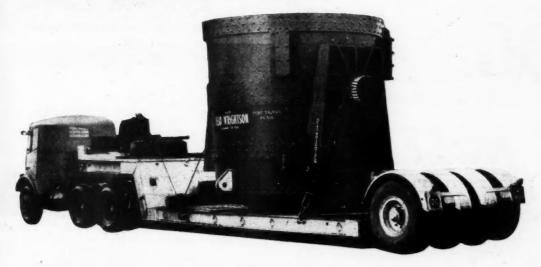
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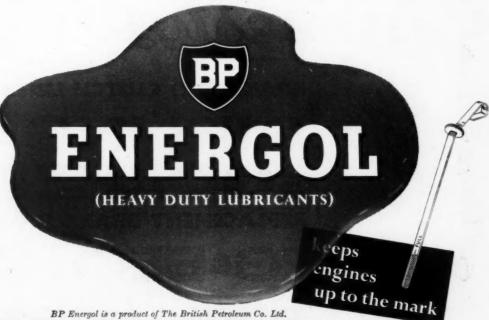
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So Little, Yet So Much

THE Lorry Driver of the Year Competition is bulging at the seams. Some of the honorary officials who hold together the fabric of the organization are working under great stress, and unless they can be relieved the stitches may burst, and the future of a valuable contest may be placed in danger. So little money is required to guarantee its position, yet it is so difficult to secure. At present the burden of organizing the final competition falls upon the honorary secretary of the national committee, who is road safety officer and public relations officer of Coventry, and his small staff, working in an overcrowded office. They promote also the Coventry eliminating round, on which the whole contest was founded.

Whilst it may be reasonable for the citizens of Coventry to pay the salaries of officials who run the local event, they can hardly be expected to continue indefinitely to provide out of their own pockets the secretariat for the final. Only those intimately concerned can understand the great amount of detail work involved, and appreciate the unselfish devotion of the officials who undertake it without extra remuneration. The insignificant sum of £1,000 a year guaranteed to the organizing committee would enable them to pay Coventry City Council at least half the salary of an additional official to assist with the organizing, and defray certain other expenses.

The Commercial Motor suggested several years ago that, as the competition was making a vital contribution to road safety by raising the standard of skill of professional drivers, the Ministry of Transport should give a grant of £1,000 a year to the organizers. Unofficial overtures of this kind are understood to have been made, but the approach is difficult. The Ministry's funds for its own safety propaganda schemes are pitifully small, but in the Lorry Driver of the Year Competition there is a strong case for a special grant from the Treasury.

It is in no sense a sporting event, but is dedicated solely to the saving of life on the roads. There are more than a million professional drivers in Great Britain, and by their actions they can not only save life by avoiding accidents, but they can set an example to the many other drivers of lesser ability. If the Government cannot find a paltry sum to enable this work to continue and grow, they are insincere in their attitude towards road safety.

Meanwhile, enthusiastic honorary officials and committee men persevere in their efforts to make the competition more widespread and attractive, and a still more effective measurement of drivers' skill and knowledge of safety practices. There is hope that three more eliminating centres may be set up this year, but it is disquieting to learn of doubt about the possibility of continuing the old-established Portsmouth round, because of a shortage of secretarial staff.

A Socialist Ally

It is so often difficult to agree with the Socialists on transport policy that an article in *Transport and General Workers Record* by Mr. Frank McLeavy, M.P., one of the Labour Party's leading spokesmen on transport, cannot be allowed to pass unnoticed. Although he decries the denationalization of long-distance road haulage as "most unwise," without giving cogent reasons for believing it, there will be general commendation for his view that "all the political parties in Parliament must seek to find a level of common agreement and action" on road and rail matters. "We cannot afford," he says, "to continue to play politics with the most vital of Britain's industries."

Mr. McLeavy is despondent about the railways. Although it is far from completed, he believes that the modernization scheme will fail to restore traffic to the railways, and that hundreds of millions of pounds of public funds invested in it will be wasted. His solution of the problem seems to be to throw good money after bad (if that is what it is) by giving the railways a subsidy to enable them to charge less than economic rates.

This is counsel of despair and the British Transport Commission would be the last to subscribe to it. If they are to preserve any dignity, railwaymen must accept the trust which the public placed in them when they lent the railways the funds for modernization. The railways must be made to pay by giving efficient service which justifies an economic charge.

Hauliers would strongly resent the payment of any subsidy to the railways, for they themselves manage to operate with growing success despite a high burden of tax which does not bear on their competitors. They are certainly not called upon to subsidize their rivals through the Exchequer, either directly or indirectly.

Mr. McLeavy at least does not believe that road transport should be hobbled by fiscal or other means for the benefit of the railways. He is, indeed, positive that all forms of tax on public passenger transport should be abolished, beginning with fuel duty. In that way the increased use of private transport would be discouraged, and the declining rural bus services could be restored to their former vigour. In this respect Mr. McLeavy is a valuable ally of the road transport industry, and it is to be hoped that he will snipe mercilessly at the Chancellor of the Exchequer from the Opposition benches.

Men Who Make Transport-19

Maurice

T the age of 48, the chairman-designate of the Tilling Group Management Board brings to his office the qualifications, rarely combined, of public schoolboy, passenger transport operator, military transport commander and barrister-at-law. It would be difficult to think of a more suitable background for the administrative controller of a passenger fleet numbering nearly 10,000

Mr. Maurice Andrew Holmes was born, educated and lives today at Felsted, in Essex, a small village which houses the school that bears its name. A certain delicacy prevented my inquiring too deeply into Master Holmes' degree of success with the arts and sciences, but he did play a lot of effective hockey.

School behind him, he entered the offices of the Asiatic Petroleum Co., with a view to joining the Far Eastern administrative staff. Two years later, having travelled no farther east than Aldgate, he went to Hicks Brothers, Ltd., the Braintree bus operators. Back on his home ground he applied himself to learning the bus business. Much of his time in those days of 1930-31 was occupied in implementing the requirements of the 1930 Act. There was much to be learned and he learned fast. Four years later he was appointed general manager, under the managing directorship of Mr. E. C. Hicks. This happy event coincided with his marriage.

Shortly before the war, Maurice Holmes joined the Army Emergency Reserve of Officers. He went through the R.A.S.C. officers' school at Bournemouth, and served with the Beach Group Company of the 3rd Canadian Division in Normandy. After things became more mobile, he took

part in th and it wa unit, slig disbande

Bird's Eye View

No More Dazzle

DRIVING in blinding rain down M1 the other night, I was impressed by the effectiveness of the experimental two-mile stretch of steelmesh anti-dazzle fence which has been erected on the central reserve by the Expanded Metal Co., Ltd. A little light from oncoming vehicles sometimes penetrated the 14-in. snow gap below the fence but caused no inconvenience. As the screen is only 5 ft. 8 in. high, it may not give much protection from dazzle to drivers perched aloft in heavy vehicles, but it certainly makes a good crash barrier. A 5-tonner estimated to have been travelling at 40-50 m.p.h. strayed on to the central reserve, but was effectively restrained from entering the opposite carriageway.

At a film show given the following day by the Expanded Metal Co., I learned that they are to erect anti-dazzle screens on the Kingston by-pass and other roads. On M1 the cost was £3,000 a mile—and it was money well spent. What about finishing the job, Mr. Marples?

Look Both Ways

F you want to stretch the terms of your licence, don't do so outside the Licensing Authority's office. This good advice is confirmed by a Northern haulier, whom Mr. J. A. T. Hanlon, Northern Licensing Authority, unfortunately found transgressing the conditions of his contract-A licence outside the Ministry of Transport offices in Newcastle. Amid laughter in court the magistrate was heard to say, " Pay £5."



"Be a sport. You won't miss a couple of packets."

Paper Shortage

ALTHOUGH sheaves of paper had been produced, there were insufficient copies of one particular document when J. and A. Smith of Maddiston, Ltd., were applying to Mr. W. Quin, Scottish Licensing Authority, for additional vehicles. With a twinkle in his eye, Mr. Quin chided Mr. James Smith: "You are an old hand in the traffic courts, Mr. Smith." Mr. Roderick Mackenzie, his solicitor, had the smart answer. "Documents are sometimes like vehicles—in short supply."

The Light

"A SOCIETY based on the policy of 'I'm all right, Jack.' cannot go on forever."—Mr. E. D. Sheehan, of the Transport and General Workers' Union, addressing London trolleybus men.

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IMPATIENT gain a Gover transport, 33-y Madhya Bhara taking, paid f months to stud Europe, and th with London T He also atte cent, of the 1. at Gwalior hav April after visi takings, and sta

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Andrew Holmes



Mr. M. A. Holmes, barrister, busman, golfer and sporting motorist.

part in the long haul from base to Antwerp and Brussels, and it was in Brussels, when the end was in sight, that his unit, slightly flushed with the spoils of victory, was finally disbanded. Mr. Holmes went on into Germany to command Headquarters transport at Herford. This post provided relaxation of the more vigorous kind, for he spent a good deal of time and covered many miles, playing hockey for Rhine Army.

Mr. Hicks died in the autumn of 1945 and, gaining an accelerated release. Mr. Holmes returned to the Braintree business to take charge. He was (and still is) a man of great mental and physical energy. No sooner had he reorganized the business on a satisfactory peacetime footing than he began to read for the bar. There were days when he would deal with Hicks Brothers' correspondence and problems early in the morning. The last letter signed, he would dash off to London, read law for the rest of the morning and afternoon, and rush back to his Braintree

office for more work in the evening.

He was called to the Bar, by the Benchers of Gray's Inn, in 1948. Negotiations for the sale of the Hicks business to the British Transport Commission were completed in 1949, after which he began to practise on the south-eastern circuit. Although perhaps half his cases concerned Traffic or Transport Acts of one kind and another, Mr. Holmes handled common law and criminal cases, too. He was kept very busy, both in London and East Anglia, and thus qualifies as a breathless, rather than briefless, barrister. He had, on many occasions, represented Tilling Group companies in fares inquiries, applications and appeals. In 1954, he was appointed by the Bar Council to the committee set up to advise the Minister of Transport on changes in the Road Traffic Act. A year later he accepted the offer of an appointment from the Commission to become an executive director of the Tilling Group Management Board.

Optimistic Busman

Today, Mr. Holmes is chairman of Crosville, Midland General, Thames Valley, Red and White and United Welsh, and a director of several other companies within the Group. He is firmly optimistic on the future of the bus industry. "True," he says, "we are losing traffic to the private motorist and television tends to keep people at home in the evenings. But we are carrying a great deal more traffic than we did before the war and there will always be the need for

Looking ahead, Mr. Holmes sees no real prospect of being able to persuade a man to sell his car. But there are still plenty of people without cars and if the service given is attractive, it will be used. An even greater degree of luxury for the long-distance coach tourist may well pay dividends, and better frequencies and better timekeeping on stage routes could halt the flow away from the industry.

The companies within the Tilling Group are operated largely as the general manager on the spot deems right and proper within the policy laid down in London. Yet I believe that so strong and delightful a personality as Maurice Holmes' cannot fail to make its influence felt throughout the organization. He has the clarity of thought and speech that one associates with legal men and, indeed, the lean face and attentive eyes that one sees often enough in the well of the court.

A relaxed, unruffled man, he chews happily on a pipe and laughs often and with gusto. At the week-ends, he plays golf (handicap eight) at Chelmsford and derives a great deal of fun from driving his Austin-Healey Sprite. His business motoring is done in more leisurely fashion at the wheel of a 15-60 Wolseley.

He does not care for exotic holidays in foreign parts, but annually repairs to a comfortable country-house hotel on Dartmoor where he can play golf. He is a man who cares for gracious living in food and wine and the appreciation of music. As chairman of a great group of companies, he will bring charm, tact and shrewd business acumen to the task.

By The Hawk

Indian Enthusiast

IMPATIENT of a delay of at least three years before he could gain a Government grant to go to Europe to study passenger transport, 33-year-old Virendia Jain, a depot manager with Madhya Bharat Roadways, Gwalior, a big Indian bus under-taking, paid for the trip himself. He allowed himself six months to study public transport in large towns in Russia and Europe, and then came on to England to spend three months with London Transport.

He also attended the Perkins service school, because 90 per cent, of the 120 single-deck buses operating from his depot at Gwalior have Perkins engines. He hopes to return home in April after visiting several British provincial transport undertakings, and studying transport in Frankfurt, Germany.

Surprise Packet

WAS a trifle surprised when the representative from Leeds suddenly proposed at a meeting of the national executive committee of the Lorry Driver of the Year Competition, last week, that unladen weight should be substituted for length in classifying vehicles. Apart from the fact that the suggestion was far too late to be considered this year, I can imagine the anomalies that would be created. There was no enthusiasm for the new system, but the committee will dutifully discuss it when next year's arrangements are planned.

Tight Fit

SOME of the miniature public service vehicles derived from small vans are built so near to the bone that even a layer of linoleum on the floor is sufficient to reduce the headroom to less than the 5 ft. 3 in. necessary to meet Certificate of Fitrequirements. Paint sprayers have also to be economical in painting the ceiling.



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e Light ight, Jack.' an, of the ng London

Parking Control Enables Vehicles to Reach Kerb

"IT would seem that in the main the improvements in the Pink Zone were secured in those places where there was strict control of indiscriminate parking and the day-long parker, thus making it possible for goods vehicles to reach the kerb with greater ease."

This view was put on Tuesday to the Ministry of Transport by the London and Home Counties Division of the Traders' Road Transport Association, who, in co-operation with the Road Haulage Association, have been investigating the effects of the Pink Zone upon deliveries and collections in London.

The Associations appear to endorse the Pink Zone, as their report to the Ministry emphasizes that no serious difficulties were suffered by suppliers or shopkeepers. The general opinion was that traffic, and goods vehicles in particular, were able to move about the main streets more quickly than before.

Many suppliers and shopkeepers had stated that main deliveries were completed by 1 p.m., either because more vehicles were used or because inner-zone deliveries were concentrated into the morning and outer-zone in the afternoon. These expedients were possible because of the comparatively restricted area of application of the scheme.

However, suppliers, almost without exception, reported that markedly worse conditions occurred in the fringe areas. The displacement of the long-term parker from the Pink Zone presumably had a "ripple" effect, which was the cause of most of the difficulties which occurred in the fringe areas and some of the side streets of the Pink Zone itself.

Improvements in traffic conditions were secured mainly by the control of parking, and where this was ineffective the difficulties persisted or were aggravated. The Associations therefore think that the Ministry should extend controlled parking throughout the central area of London.

This would offer the best way of rationing parking space for business and shopping purposes, and providing the necessary facilities for putting goods into and out of shops and other premises, without harmful bans on these necessary activities.

The degree of enforcement necessary to ensure the success of controlled parking depended upon the provision of adequate off-the-street parking facilities. The Government should be responsible for the central direction and financing of off-the-street parking.

Some shops were able to open before 9 a.m. to receive deliveries, but the staff arrangements made for this expedient could not be permanent.

NO double-decker with a capacity of 72 or more seats should be allowed to carry standing passengers. A 64-seater should be allowed a maximum of eight standing passengers, a 66-seater six people standing, and a 68-seater four.

No Standing In Large Buses?

Recommendations to this effect are expected to be made next week by a sub-committee of the National Joint Industrial Council for the road passenger transport industry. The sub-committee have been studying the standing problem and will meet next Thursday to continue their work, whilst the council will be presented with their proposals on Friday.

It is not thought that the sub-committee will suggest that the size and seating capacity of double-deckers should be restricted in the future.

The proposed sliding scale relative to seating capacity is also being considered in respect of one-man-operated vehicles. It is known that the trade unions favour a total ban on standing in such buses, but it is thought likely that the subcommittee will recommend that the matter be tackled on a local basis.

Crush-loaders will also be discussed by the council. The sub-committee's views on them are not known at present.

Drivers and conductors at the Percy Main depot of the Tynemouth and District Transport Co., Ltd., have decided that they will not carry standing passengers on the 78-seat double-deck buses about to be introduced.

The men contend that they will have enough to do in dealing with the extra passengers without having standing passengers as well. Their ban will not affect other types of bus operated by the company.

Weight Increase Loophole is Closed

A NEW formula has been devised by the North Western Licensing Authority to prevent excessive increases in the unladen weights of vehicles and trailers during the currency of licences.

In the past, weight increases have been notified in Part IV of Applications and Decisions and the operator has been told that any subsequent application to replace the vehicle would be dealt with on the basis of the original weight. This system has proved unsatisfactory.

In future, increases in unladen weight will be scaled and related to the weight at which the vehicle was originally authorized. If the change does not exceed 5 cwt. on 4 tons or less, or 10 cwt. on vehicles of more than 4 tons, the previous procedure will apply.

Greater increases will have to be explained by the operator. If it is shown that carrying capacity will not be raised or that the modifications are not for the purpose of carrying traffics outside the normal user of an A licence or the conditions of a B licence, a variation application will be invited for the deletion of the vehicle at its original weight and its reinstatement at the new weight. Publication of the application will be at the Licensing Authority's discretion.

If capacity will be increased or there is to be a change in normal user or B-licence conditions, the operator will be asked to consider whether he should apply for a new A licence or the variation of his B licence. In that way he would avoid the risk of action being taken to revoke or suspend his licence under Section 9(4) of the Transport Act, 1953

OSWALD TRANSFER GRANTED

IN a reserved decision issued this week, the West Midland Licensing Authority granted Oswald Transport, Ltd., two articulated vehicles previously based at Wigan. Their new base will be Talke, Stoke-on-Trent, to which four lorries have already been transferred.

The grant will not take effect until April 1, because, as reported in *The Commercial Motor* on January 22, the North Western Licensing Authority has suspended the two vehicles during March. The normal user of the vehicles will be "mainly steel, building materials and requisites, moulding sand, electrical equipment, forgings, castings and machinery to Scotland from the Midlands, Lancashire, Cheshire and North Wales."

PROSECUTION IN CYANIDE LOAD CASE

THE police have started proceedings against the operator from whose lorry 300 lb. of cyanide of potassium recently fell in Ashby Parva. The prosecution has been taken under the Motor Vehicles (Construction and Use) Regulations, which require loads to be secured to prevent falling, and prohibit the use of unsuitable vehicles.

Mr. David Renton, Joint Under-Secretary of State for the Home Department, gave this news to the House of Commons last week, when five questions on the carriage of dangerous loads were asked.

Mr. Renton pointed out that the Poisons Rules, 1952, made it illegal to consign any poison for transport unless it was sufficiently stoutly packed to avoid leakage arising from the ordinary risks of handling and transport. It also had to be suitably labelled. The Construction and Use Regulations covered the securing of loads.

Mr. Frank Allaun (Lab., Salford E.) suggested that regulations should be introduced to cover the road transport of the whole range of dangerous substances, or might be included in the code for marking vehicles which was now awaiting publication.

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WHAT YOU GAIN ON THE SWINGS



The fair goes up Sam Smith's 10-yearold Austin 2 tonner carries a generator, all his gear, and tows his 4 ton caravan as well. It comes in handy too for erecting and dismantling the swingboats.



PAINTED WAGONS roll along the summer roads of Britain. The fun of the fair is on the move. Loaded convoys are bringing blaring life to surprised meadows. For a day, two days, merry-go-rounds and dodgem cars whizz among the daisies. Then, quickly as they came, stalls and shies, caravans, dogs and people vanish. And are off on the road again.

The small world of Smiths

Among those who travel the fairgrounds of the West Midlands are the Smiths. In the small world of this big family are Sam Smith, his wife and 14-year-old son.

On the fairground Sam runs 6 swingboats and 8 slot machines. On the road he drives a lorry with a 4 ton caravan in tow, his family, fair gear and a small generator on board. His

lorry is no ordinary vehicle, as Sam will proudly tell you. "It's the best motor was ever made. It'll go forever and a day." The motor is a 1949 Austin 2 tonner.

Sam's remarkable veteran

Before Sam Smith bought it, his Austin worked hard for the General Electric Co. Ltd., Birmingham. "I've had it 4 years now and I haven't spent a bean on it. She stands out all winter too and when it's time to go I push the button and we're off. Never have to use the handle."

Hills? "Never bother me, hills don't," says Sam. "The lorry just keeps pulling all the way. I wouldn't swop it for anything." He should know — he's been driving for 25 THE AUSTIN MOTOR COMPANY LIMITED LONGBRIDGE - BIRMINGHAM

What about petrol consumption? "25 m.p.g. empty, 15 m.p.g. loaded. I ain't kidding. It's definitely been a good lorry. It's done its job and done it well." What Sam Smith makes on the swings, he doesn't lose on the roundabout with Austin!

The veterans of the future will be found in the present Austin range-widest commercial range in Britain. 1 to 2 ton vans, 2 to 7 ton trucks - tippers, prime movers, chassis units. All with 12 months' warranty and backed by B.M.C. Service.



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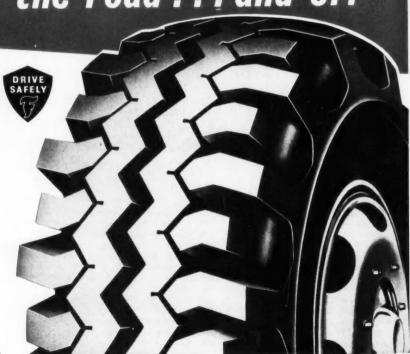
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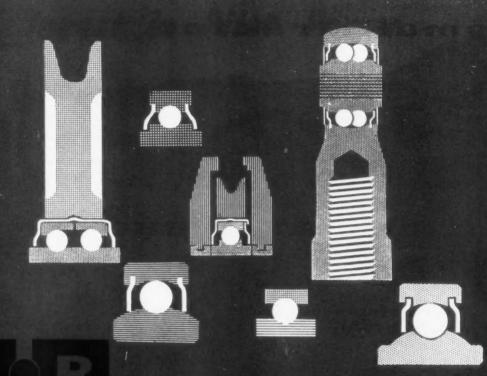
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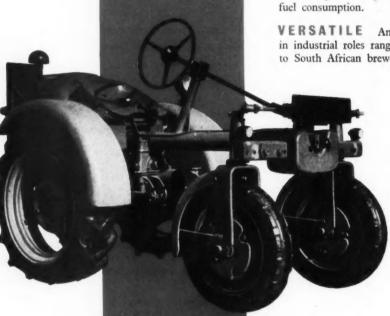
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COMPACT Overall dimensions: $95\frac{1}{2}$ in. \times $46\frac{1}{2}$ in. Turning radius: 85 in.

E G O N O M I G A L Air-cooled, 2-cylinder, 4-stroke Diesel engine averages less than ½ gallon per hour fuel consumption.

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"U" FOR UTILITY

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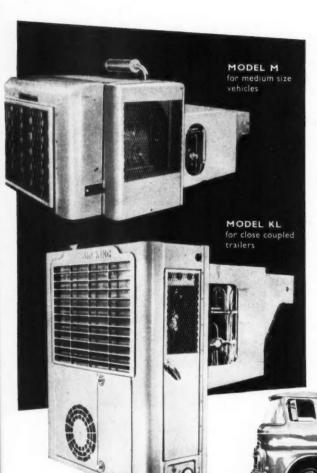
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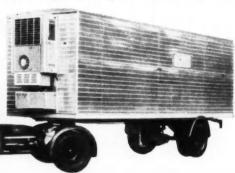




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B.T.C. Agree Under "Mild Pressure"

THE British Transport Commission, "under a little mild pressure" from the Transport Tribunal, had agreed to a suggestion that the B licence of a small Sussex haulage firm should be varied to allow operations for a specified customer over a wider radius, said Sir Hubert Hull, president, in London on Tuesday.

The Tribunal would "lean over backwards" to help a small man who made a

modest request, he added.

Two brothers, Mr. R. D. Randall and Mr. E. A. Randall, Dittons Road, Polegate, appealed against the refusal of the South Eastern Licensing Authority to vary the conditions of the license of their only vehicle. It was restricted to household removals within 40 miles and any other goods within 20 miles.

Mr. R. D. Randall said that they wanted to be able to go 60 miles with goods such as new furniture for a con-

cern at Eastbourne.

For the B.T.C., the respondents. Mr. D. L. McDonnell said: "My clients do not want to take an oppressive view, but they do feel that if a grant was made it might prejudice their position in other cases and cumulatively take traffic away from them."

GREATER PAYLOAD CAPACITY GAINED

BY allowing Baker's Transport (Southampton), Ltd., to substitute articulated vehicles for rigid, the South Eastern Licensing Authority had given the company greater carrying capacity. This was stated before the Transport Tribunal in London on Tuesday by Mr. D. L. McDonnell, for the British Transport Commission.

The B.T.C. were appealing against the replacement of three rigid vehicles under B licence by two articulated. The difference in payload capacity was said to be 17 tons for the rigids and 24-30 tons for the "artics." The Commission also contested the permission given to the concern to carry mail for the U.S. Air Force, and the products of the Esso Petroleum Co., Ltd., over 75 miles.

Mr. McDonnell submitted that no increase in carrying capacity should be allowed without evidence of need.

The hearing was adjourned.

WAGES COUNCIL AGREE ON CONCESSIONS

DIFFICULTIES in the interpretation of two proposed concessions for road haulage workers were finally resolved by the Road Haulage Wages Council on Tuesday. One is that a man who works on a customary holiday will receive a day off in lieu, as well as double pay for working on the holiday. The other is that the additional 8d. an hour night money for night workers will begin to be paid at 7 p.m. instead of 9 p.m. It will not apply to day workers whose tour of duty lasts after 7 p.m.

These concessions will be incorporated in R.H.(67), to be published shortly.

Inquiry Instead of Grant

REJECTING an application by Messrs. Walkers Demolition Contractors, Hull, at Bridlington on Tuesday, Maj. F. S. Eastwood, Yorkshire Licensing Authority, said that allegations that the firm had exceeded the terms of their B licence would be investigated. Walkers wished to add three tippers to the licence.

Mr. R. E. Paterson, for the objectors, Messrs. Sayers Haulage, said the existing B conditions restricted the applicants to work to and from contractors own sites within 20 miles, but letters put in suggested that operations outside these terms were being undertaken.

Mr. George Walker, manager of the applicants, said that business had increased during 1959, and they had purchased three new tippers. There was a shortage of tippers in the Hull area.

Mr. E. Sayers, for the objectors, said that they operated 27 tippers. There had been an excess of such vehicles in the area for six months. Many local contracts had finished.

RAILWAYS APOLOGIZE FOR ALLEGATION

AFTER making allegations that an applicant had given false evidence, British Railways withdrew them before Maj. F. S. Eastwood, Yorkshire Licensing Authority, at Bridlington on Tuesday.

He was resuming the hearing of an application by Mr. F. Turnbull. Pickering, to increase the radius within which to carry horses in a B-licensed vehicle (*The Commercial Motor*, December 25, 1959).

Mr. A. W. Balne, for the railways, said that evidence that of 471 horses 173 had been carried under A licence was inconsistent with Mr. Turnbull's original statement that he conveyed horses only under B licence.

The Authority, referring to his notes, stated that the applicant had not said this. Mr. Balne apologized, explaining that he had not been present at the earlier proceedings and had been wrongly instructed. The application was granted.

GRANT FOR LOW-LOADER

A GRANT has been made by 'Mr. A. T. Hanlon, Northern Licensing Authority, to Robinsons Transport (Carlisle), Ltd., for the transfer of a low-loading tractor-trailer outfit from special A licence to their ordinary A licence (The Commercial Motor, last week). It was stated at the resumed hearing on Monday that the vehicle would work mainly for John Laing and Son, Ltd.

Mr. G. N. Worthington, for Robert Liddle, Ltd., Carlisle, who objected, said that Laing had supported the application to create competition.

SALE SCHEME PROCEEDINGS

THE Restrictive Practices Court on Monday granted an application by the Registrar of Restrictive Trading Agreements for the general discovery of documents relating to proceedings on the motor vehicle distribution scheme.

Cut Railway Rates Deceive Customers

A HAULAGE company's customers were attracted to use the railway service between Hull and Glasgow because of drastically cut rates, but found that goods sent on "guaranteed overnight delivery" actually took six days to reach their destination.

This was stated before Maj. F. S. Eastwood, Yorkshire Licensing Authority, at Bridlington on Tuesday by Mr. R. E. Paterson, for Hull and Glasgow Road Carriers, Ltd., who sought to add two vehicles to their A licence. The company had carried 7,238 consignments in the second half of 1958 and 11,528 in the comparable period of 1959.

Mr. J. L. Dunn, managing director, said that nearly every industrial concern of any size in Hull employed his concern, and arrangements had now been made for deliveries to Carlisle en route.

Fourteen vehicles were in use.

Rates had been decreased in July, 1958, because of rail competition. A Glasgow customer had been quoted £2 5s. a ton per 8-ton truck-load, and £2 10s. a ton per 5-ton truck-load by the railways. His company had revised their charges to £3 10s. a ton or £2 17s. 6d. a ton for loads of 5 tons and over, and retained the customer's traffic.

The application succeeded.

"SHEARINGS TRYING TO ENCROACH ON OTHERS"

THE proposed transfer of a picking-up point in Manchester to Salford by Shearings Tours (Manchester), Ltd., was described before the North Western Traffic Commissioners on Tuesday as an attempt to go "into the heart of other operators' gathering ground."

Facilities at the East Street coach

Facilities at the East Street coach station in Manchester were described as unsuitable for the company's passengers, but a modern station had been built at Liverpool Street, Salford. Shearings still wished to use East Street for feeder services. Mr. F. Robinson, director, said that there was no desire to abstract traffic from other operators.

Mr. H. Backhouse, for W. Robinson and Sons (Great Harwood), Ltd., and Batty-Holt Touring Services, Ltd., who objected, stated that there was no evidence to justify the transfer.

Mr. F. Williamson, chairman, commented that complications might ensue if Liverpool Street were granted as a picking-up point, but it would be allowed to be used as a "transhipment base." This would be an added convenience to the public.

57,000 MORE GOODS VEHICLES

THERE were 1,325,616 goods vehicles on the roads at September 30, 1959, compared with 1,268,498 a year earlier, according to official figures issued on Monday. The total of hackney vehicles, however, declined from 97,005 to 93,323 between the same dates, although this was slightly accounted for by the abandonment of 256 trams.

The total of vehicles of all types rose from 7,903,638 to 8,606,047.

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Men in the News

Mr. R. Bartram has been appointed manager of "off-the-road services" of Tyresoles, Ltd.

MR. A. C. E. MUSK has joined the board of the Pollard Ball and Roller Bearing Co., Ltd.

MR. P. K. TAIT has been appointed giant-tyre user representative in Scotland of the John Bull Rubber Co., Ltd.

MR. W. A. Moens has retired as national sales manager of the Dunlop Rubber Co., Ltd., after 34 years' service.

MR. CLAUD BARRINGTON has joined the board of Samson, Menzies, Ltd., insurance brokers. He is the chairman of B.R.S. (Pickfords), Ltd.

MR. GEORGE EDWARD MAGGS, staff discipline officer of the Bristol Omnibus Co., Ltd., has been nominated Sheriff of Bristol for the coming year.

LORD TEDDER, chairman of the Standard-Triumph group, has left on a 30,000-mile tour which will cover 10 countries and last for three months.

MR. D. T. DAVIES, formerly a representative in London, has been appointed South Wales district manager for U.S. Royal tyres of the North British Rubber Co., Ltd.

MR. A. LEE has resigned as superintendent of the Nottingham depot of B.R.S. (Parcels), Ltd., to become a director of Dakins, Removals, Ltd., Nottingham.

MRS. D. ELVY has been appointed a member of the South-eastern Area Transport Users' Consultative Committee. She will represent local authorities and replaces the late Col. T. GREGORY.

MR, ERIC BUCK, regional leathercloth sales manager of Imperial Chemical Industries, Ltd., Birmingham, yesterday became chairman of the Midland Section of the Institute of British Carriage and Automobile Manufacturers. MR. A. S. OSTLER, of the Rover Co., Ltd., became vice-chairman.

MR. W. E. A. WILLIAMS, formerly London and south-eastern representative, has been appointed sales manager of Sifbronze welding products by Suffolk Iron Foundry (1920), Ltd. He is succeeded by MR. G. A. EDMUNDS. MR. S. E. WITHERINGTON has become Birmingham representative.

MR. C. E. CALVELEY, chief motor transport officer of the engineering department of the General Post Office, has been promoted to assistant engineerin-chief of the department. A successor has not yet been appointed. Mr. Calveley has been responsible for the sapply to the G.P.O. operating departments of large numbers of vehicles and pieces of equipment.



Mr. F. W. Knight, recently appointed general sales manager of Taskers of Andover (1932), Ltd.

MR. L. Exton has resigned from the board of Westover Garage, Ltd.

MR. D. R. SMITH, traffic assistant of Bolton Transport Department, has been recommended, from a short list of four, for the position of traffic superintendent of Leicester Transport Department.

MR. J. S. BRIGHT has been appointed service manager of C.A.V., Ltd., with control of home and overseas matters. MR. C. W. BILLINGTON continues as service manager for the United Kingdom and will be responsible to Mr. Bright.

MR. A. BEARD, chief production engineer, MR. W. J. BURNELL, chief mechanical engineer, MR. S. H. Goss, general sales manager, MR. A. P. H. PEHRSON, export manager, and MR. C. J. WILLIAMS, works manager, have been appointed to the board of Simmonds Aerocessories, Ltd. They were all previously executive directors. Mr. Goss and Mr. Williams have become assistant managing directors.

OBITUARY

WE regret to record the death of Mr. Gerald Brown.

Mr. Brown, who was 49, was assistant general manager of Maidstone and District Motor Services, Ltd. He had been with the company for 35 years.

Micrograms . . .

Buses For Iraq: Twenty-four Hungarian Ikarus buses have been delivered to Baghdad, Iraq.

Last Tram: Sheffield's last tram will run early in October, when the final conversion to motorbuses will take place.

Crossley Spares: The Crossley spares stores have been moved to A.E.C. (Sales), Ltd., at the Maudslay works, Alcester, Warwicks.

Beldam Move: The Beldam Asbestos Co., Ltd., and Auto-Klean Strainers, Ltd., are to move to 109 Fenchurch Street, London, E.C.3, on February 8.

Changed Address: The address of the office of the United Dominion Trust, Ltd., in Peterborough, is 10 King Street, Cowgate.

No Extra Buses: No additional buses will be run by the Northern General Transport Co., Ltd., in the event of a national rail stoppage, which is planned for February 15.

Isuzu Factory: A £10m. factory is to be built by Isuzu Motors at Sagamihara, Kanagawa, Japan, to produce 10.000 cars and light commercial vehicles annually.

Comets for Delhi: Delhi Transport Department have ordered 50 Leyland Comet bus chassis from Ashok Leyland, Ltd., Madras. The undertaking already run 375 Comets.

Claim for Butyl: The Goodyear company claim that the use of butyl inner tubes caused fewer tyre failures than might otherwise have occurred during the hot weather last summer.

Thames for Geneva: Various Thames commercial vehicles will be displayed by Ford (Switzerland), S.A., at the Geneva Show. which opens on March 10. The exhibits will include a 4 x 4 tipper.

Air Ministry Trophy: The motor transport section of R.A.F. Cranwell have been presented with the Air Ministry's motor transport efficiency trophy, and a similar award from Air Training Command.

Spain Buying Japanese: The Japanese Hino Motor Co, are to supply 30 more buses to Spain under a barter-trade agreement. Spain sells rice to Japan and buys steel manufactures. Since 1957, 330 buses have been supplied.

Argentine Road Programme: A great fillip will be given to road transport in Argentina by the Government's decision to build 13,800 miles of new roads and reconstruct 1,800 miles of existing highways during the next five years. The cost is estimated at £230m.

Standard Depot: The lease of the premises on Western Avenue. London, N.W.10. previously occupied by the Hooper body-building concern, has been taken over by Standard-Triumph International, Ltd. The building will be re-opened as a London service depot to replace current facilities on the Chase Estate nearby.

2m.-gallon Fuel Depot at Sunderland

A SIX-ACRE site at Hendon Dock, Sunderland, previously used as a timber yard, has been developed into a 2m.-gallon storage depot of the Regent Oil Co., Ltd., in nine months. Storage and distribution facilities for petrol, kerosene, gas oil and lubricants would increase the oil trade of the port, which was already running at a record level, said Ald. N. L. Allison, mayor of Sunderland, when he opened the depot last week.

Road tankers will be filled from 14 covered loading arms, each capable of

delivering 300 g.p.m. Provision has been made for the installation of up to 10 more loading arms.

All loading points are in the centre of a yard which provides parking space, and gives access to a heated vehiclewashing bay and garage with pit and servicing equipment.

Stores for consumable goods, packaged lubricating oil and barrels are also provided. Fork-lift trucks will handle the barrels, and the floor of the oil store is at vehicle tailboard level for rapid loading.

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Transport Director for Trial

DIRECTOR of Quorn Transport, A DIRECTOR of Quorn Transport, Ltd., Barrow-on-Soar, Leics, was sent for trial by a special Loughborough court, last week. He was accused of allowing the fraudulent use of a registration mark on a lorry; permitting the use of a goods-vehicle licence disc on the wrong vehicle; and allowing fraudulent use of an Excise licence.

Edwin Everest Hopley, Markfield Lane, Markfield, Leics, was remanded on bail in his own surety of £50 after pleading not guilty. Quorn Transport were also committed for trial at the Northampton County Quarter Sessions, on March 10, for alleged fraudulent use of an Excise licence and of a registration mark, and for using a licence disc with intent to

Seven other alleged Excise offences against the company were adjourned. The alleged offences came to light after a six-wheeled lorry, registration number MTE 417, was stopped by a police car. P.c. P. S. Smith told the court that he recognized the number as one belonging to a four-wheeler of a different colour.

On examining the registration plates later, P.c. Smith found the impression of another number, 15 MRF.

ASSOCIATION'S FUTURE IN DOUBT

THE future of the Road Passenger and Transport Association, the local Midland organization of coach operators and hauliers, is in the balance. The management council have held a series of meetings to decide whether the Association continues to serve a useful purpose in view of the facilities offered by the national bodies, but no conclusion has been reached.

Meanwhile, Mr. D. E. Skelding, who has been manager for many years, has resigned to become general manager of Traffic Consultants, Ltd., 8 Newhall Street, Birmingham. The company will advise operators on licensing and arrange representation in court. Their services will be offered to the R.P. and T.A.

TROLLEYBUSES EARN LESS

TROLLEYBUSES in Belfast last year brought in less money, carried fewer passengers and covered less mileage than in 1958, according to a schedule submitted to the transport committee. Allround increases by motorbuses were shown.

Trolleybus receipts dropped £59,667 to £869,387, passengers carried fell by 4,156,147, and mileage decreased by nearly 313,847. Motorbus receipts increased by £45,364, and passengers carried rose to 80,116,100, with 444,837 more miles covered.

ROOTES PLAN FOR SCOTLAND

A NEW factory is likely to be built at Linwood, near Paisley, Scotland, by the Rootes group. When The Commercial Motor closed for press on Wednesday. the construction of a new plant on Merseyside by the Ford Motor Co., Ltd., was expected to be announced.

Residents For and Against Terminus

RESIDENTS on a new housing estate at Downend, Bristol, last week divided into supporters and objectors to an application by the Bristol Omnibus Co., Ltd., to extend their stage service to match development of the estate.

Mr. T. D. Corpe, for the company, told the Western Traffic Commissioners that, although the terminus needed to be extended, "no one wanted a bus stop outside their front door."

It was proposed to move the terminus to a lay-by, and Mr. Corpe spoke of complaints about rowdiness at the existing terminus after public-house closing times, and of a meeting of 260 parents who had objected to the extension.

The Commissioners made a grant. Mr. S. W. Nelson, chairman, said: "We do so rather regretfully and we are sorry if this is going to have any effect on private households. The local council is in favour of the proposals, and it is quite impossible to please everyone.'

CRITICISM BY MR. HANLON

SEVERE criticism was made by Mr. J. A. T. Hanlon, Northern Licensing Authority, last week, because he had not been notified that three vehicles of Teesside Carriers, Ltd., Stockton-on-Tees, had been disposed of. The company were applying for a short-term licence for three vehicles to carry steel and other goods.

It was stated that an Official Receiver had been appointed in June, 1958, but that the assignment of three special Alicensed vehicles did not come to light until May, 1959. Mr. W. E. Wagstaff, who said that he assumed the managing directorship in October last year, told Mr. Hanlon that the concern fell into difficulties through paying dearly for special A-licensed vehicles.

The application was refused.

SIGN NOT LEGAL

PARKING summons against a A motorist was dismissed by Bishop's Stortford magistrates last week after he had submitted that because the Waiting " sign was fixed to a wall, instead of being on a pole, it was not legal. Police evidence was that a sign of this kind could be put up under special authorization, but because there was no evidence of this the magistrates rejected the charge.

GRANT WITHOUT COMMENT

LICENCES for express services, tours and excursions were formally granted without comment by the West Midland Traffic Commissioners, at Birmingham on Tuesday, when Mr. J. Else, for Don Everall, Ltd., Wolverhampton, told them that all the objectors had withdrawn.

BROCKHOUSE BID FOR SHARES

A N offer is to be made by J. Brock-house and Co., Ltd., for the remaining ordinary capital of Albion Drop Forgings Co., Ltd. Brockhouse already own a part of the capital. The Albion company are to be completely integrated into the Brockhouse group.

Industry Needs New Highways

NEW roads capable of supporting industries in North Devon and North Cornwall were needed immediately, said Mr. D. O. Good, vice-chairman of the Road Haulage Association, addressing the Barnstaple Sub-area at their annual dinner last week.

Although the Government wished to finance the establishment of new industries, they seemed unaware of the necessity of roads to serve industrial expansion, he added.

Political and industrial difficulties still faced the R.H.A. Even if the Labour party appeared to have abandoned their basic creed, they would still, he thought, attempt to secure the renationalization of haulage. The return of free-enterprise road transport in 1953 was unforgivable in their eyes.

Mr. Good stated that the lack of M.P.s with first-hand knowledge of freeenterprise haulage was steadily being overcome. More M.P.s of Tory and Liberal persuasion were becoming interested in haulage through the entry into the House of Commons of Mr. Percy Browne, a haulier who represented Torrington.

WORKER GAVE 10s. LIFTS: FINED £5

FACTORY worker who carried his A FACTORY WORKER WHO Colleagues to work in his small bus, and charged them 10s, a week, was fined £5 for using the vehicle as an express carriage without a road service licence at West Bromwich, last, week.

Supt. H. Dix, prosecuting, said that a police officer and an official of the Traffic Commissioners saw two passengers alight from the defendant's vehicle in West Bromwich on December 4, 1959.

George Henry Sanford, Pattison Street, Walsall, also paid fines for having no vehicle insurance, no current driving licence, and for driving a public service vehicle while not having the appropriate driving licence.

It was stated that a coach service provided by his employers ended in

MAINTENANCE BONUS CLAIM

MAINTENANCE men of Sheffield Transport Department last week pressed for a further approach to the transport committee for bonus payments. They held a mass meeting following the refusal by the committee to accept a bonus scheme based on efficiency.

Men at Wolverhampton and Salford already receive such a bonus.

MORE A.E.C. SALES

A MARKED improvement in sales has been achieved by A.E.C. (Australia), Pty., Ltd., who have ordered 54 vehicles. These comprise 30 Monarch Mark VI models, 12 Mandators and 12 Mammoth Major six-wheelers. A total of 87 A.E.C. vehicles has been ordered by Australian operators since the beginning of this year.

Parliament Prepares to Reshape the Transport Commission

FROM OUR POLITICAL CORRESPONDENT

WHILE the threatened railway strike blankets everything else in the broad national transport picture, things are happening behind the scenes at Westminster which may well make big news later in this Parliament.

On the railway front, Ministers are making their dispositions. The permanent emergency committee, incorporating many Whitehall departments, has been alerted. Plans will now be made to keep the essential services going.

Pressures for reductions in fuel tax have begun and Mr. Amory has said he has received representations from the Joint Fuel Tax Committee for the Passenger Road Transport Industry and from local authorities. It was pointed out to him that the tax puts a huge burden on local authorities.

Action on B.T.C. Soon

There are hints that Mr. Marples may be ready to do something in the next two or three months about the British Transport Commission.

He has before him two memoranda from Conservative back-bench groups, the object of which is to let the Commission concentrate on running the railways without being sidetracked.

It is, in other words, a plan for partial denationalization and there is a growing feeling among Tory M.P.s-refreshed by the country's third successive vote against nationalization—that something ought to be done.

One idea is that the Commission should be told to dispose of their ships-they made a profit of £2.3m. last year. They would, under the back-bench plan, be sold back to the shipping companies-and their total value is in the region of £18m.

At the same time the wharves, docks and harbours, worth more than £80m., and the inland waterways, valued at more than £20m., and the hotels and catering services, worth £11m., would be hived off.

Ships Might Be Sold

Ships and harbour facilities might be sold to private concerns, and railway hotels, refreshment rooms and the like to come under 21-year leases for development by catering and hotel interests. The meals on trains, it is suggested, might be handed over to the Pullman Car Co.

Under the plan a new Waterways Board would take over the canals.

Then, with the Commission free to concentrate on running the railways, its own structure would be overhauled drastically, with a good deal of decentralization, resulting in the B.T.C. merely

handling the finances.
All this would be combined with genuine streamlining of the railways themselves. Uneconomic branch lines would be closed down even more quickly, and freight traffic handled intelligently. with modernized marshalling yards and goods depots properly planned.

The object of this part of the exercise would be further integration of road and

rail traffic.

Things cannot be allowed to drift much longer, the back-benchers say. Now that they are conscious of the voters' dislike of nationalization, they say a definite decision should be made on the nationalized industries-whether they are to be accepted tamely and allowed to bumble on losing money hand over fist, or whether they are to be made to work

The first essential, of course, is to see the trains run at all.

TREASURY PRESSED ON FUEL TAX

LAIMS for the abolition of duty on oil fuel were pressed at the Treasury last week by a deputation representing the road passenger transport industry. Members came from the joint fuel tax committee of the Municipal Passenger Transport Association, Public Transport Association, Passenger Vehicle Operators' Association and the Scottish Passenger Transport Association.

The committee have launched a campaign for support, and written to M.P.s, local authorities and other organizations. The present tax is said to add 10 per cent.

to bus operating costs.

The Chancellor of the Exchequer was non-committal in the House of Commons last week when asked by Mr. Frank Allaun (Lab., Salford East) to consider reducing or removing the duty.

MORE STRIKES IN 1959

WHILST stoppages and time lost as a result of strikes declined generally last year, troubles in the motor industry increased, the Ministry of Labour stated last week. The number of days lost rose from 160,000 in 1958 to 465,000 last year, and the number of men taking part in stoppages more than doubled to 157,600.

There was a total of 135 stoppages, 51 more than in the previous year.

NO TIGHTER LICENSING

N attempt by Mr. G. Darling (Lab., A Hillsborough) to persuade the Government to tighten up the licensing of commercial vehicles was resisted in the House of Commons, last week, by Mr. Ernest Marples, Minister of Transport. Mr. Darling wished licences to be withheld from operators who did not possess adequate garages or maintenance Marples thought the facilities. Mr. existing law met the need.

"Ticket" Fines to Start in London

THE "ticket" system of fines is to be included in a Bill to be promoted by Mr. R. A. Butler, Home Secretary, in the House of Commons during the current session. He made this announcement officially in the House last week.

He said that the system was proposed to be operated experimentally in London in the first instance. In the case of certain traffic offences-principally parking-a ticket would be attached to a vehicle, stating that the driver could, if he wished, pay a standard penalty to a court as an alternative to being prosecuted. A driver who wished to deny that he had committed an offence could withhold payment of the standard penalty and be proceeded against in the normal

Mr. Butler denied that the system would cut across the right of the subject to be presumed innocent until he was proved guilty. Individual liberty was preserved by the right to go to court.

He agreed that it would be necessary to make sure that a man who exercised the right to go to court should not pay a greater penalty than the standard fine, merely because he elected to defend himself. He agreed also that it would be necessary to consider concealing from courts the knowledge that the driver had refused to pay the standard fine.

POLICE SATISFIED WITH "SMOKE" POWERS

A NOTHER attempt to strengthen the powers of the police to deal with black smoke from oil-engined vehicles was made in the House of Commons last week by Mr. R. Gresham Cooke (Cons., Twickenham). He maintained that the law was too narrow to provide for convictions and suggested that it should be a ground for prosecution if the smoke caused annoyance or inconvenience.

Mr. David Renton, Joint Under-Secretary of State for the Home Department, promised to consider this proposal. He said, however, that the police regarded their existing powers as reasonably satisfactory, although difficulties sometimes arose. The Commissioner of Police had recently told him that generally it was not any shortcoming in the wording of the regulation which prevented prosecution, but a lack of

LIMIT NOT ANOMALOUS

IT was not anomalous that a van used for private purposes should be restricted to 30 m.p.h., Mr. E. Marples, Minister of Transport, told Mr. Will Owen (Lab. Co-op., Morpeth) in a written reply in the House of Commons last week.

The Minister said that a goods vehicle should be subject to the same speed limit whether it was being used for private or commercial purposes. Enforcement of speed limits would become extremely difficult if they were not related to classes of vehicle which could be easily recognized by the police.

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Mr. Hanlon Ouestions Weight of C. Bristow Vehicle: Extra 27 cwt.

 $E^{\,\text{ITHER}}$ the British Transport Commission had been operating a vehicle of 3 tons 16 cwt., when the registration book and licence specified 2 tons 9 cwt., or since it came into the possession of C. Bristow, Ltd., "something had happened" to add 1 ton 7 cwt., Mr. J. A. T. Hanlon, Northern Licensing Authority, observed at Newcastle upon Tyne, last week.

The company, on the expiry of a special-A licence, specified at the higher moisture, but never as much as 1 ton 7 weight, applied for an A licence for a vehicle with a normal user of "general goods, Great Britain" to be based at Gateshead.

Mr. Hanlon said that the special-A licence, for a Bedford four-wheeled tipper of 2 tons 9 cwt. 2 qr., was acquired from the B.T.C. in January, 1955. It appeared, from the documents. that the weight had been amended to 3 tons 16 cwt. in the same month. Mr. A. L. Jeffers, local manager of Bristow. said that he knew nothing of the matter.

"The vehicle continued as such until April 20, 1955," added Mr. Hanlon, when it was changed from a tipper to a flat vehicle. Mr. Jeffers said that that had happened before his time.

The Authority said that he had heard of vehicles, particularly tippers, accumucwt. On being told by Mr. Jeffers that he could offer no explanation, Mr. Hanlon asked someone to find out, and adjourned his decision.

The applicants, said Mr. T. H. Campbell Wardlaw, for the company, were one of a number of associated concerns operating in Wales, Exeter, Norwich, Warrington. Liverpool. Glasgow and London.

A similar application had been made by another associate, Davis Bros. (Haulage), Ltd. (The Commercial Motor, October 23, 1959). The same arguments had been advanced, but a decision was

After presenting figures, Mr. Jeffers said that if the licence were granted the vehicle would continue to carry all types of goods.

McVeigh to Have All Comets

WHEN the Liverpool branch of McVeigh Transport, Ltd., successfully applied to Mr. A. H. Jolliffe, North Western Deputy Licensing Authority, last week to replace seven existing A-licensed vehicles with heavier models, it was stated that the company were standardizing upon Leyland Comets.

There was no intention, said Mr. S. A. Sears, administrative manager, that payloads would be increased. These would stay at 7 tons. Neither would the type of traffic change. The London and Hull depots now had wholly Comet fleets, and 36 of 49 vehicles at Grimsby had been replaced.

THREE RHIND VEHICLES SUSPENDED

TWO vehicles of John Rhind (Transport), Ltd., have been suspended for three months and another for one month by Mr. A. Robertson, Scottish Deputy Licensing Authority. Giving his decision last week on the company's application, heard last December, to amalgamate 28 special-A-licensed vehicles with 12 under ordinary A licence at Aberdeen, he stated that the company had operated vehicles outside the conditions of their declared normal-user.

Of the 28 vehicles, four were based in Perth, nine in Glasgow and 15 in London. Apart from the suspensions in respect of three vehicles, the application was allowed.

HAULIER MIGHT HAVE HAD COSTS

WHEN a haulier withdrew an application the day before it was scheduled to be heard, at Newcastle upon Tyne last week, Mr. J. A. T. Hanlon, Northern Licensing Authority, said that if he had had the power he would have awarded costs against him.

Representatives of eight objectors had travelled to Newcastle. The letter of withdrawal from Mr. J. Maitland, South Moor, County Durham, who had sought a licence variation, would be kept on the file for future reference, said Mr. Hanlon.

Haulier Tries Again for Licence

CUMBERLAND haulier, who 18 A months ago had his special-A licence revoked by Mr. J. A. T. Hanlon, Northern Licensing Authority, applied for an A licence at Penrith last week.

The application, by Mr. William Stubbs, Norfolk Road, Penrith, was for a 73-ton platform vehicle to carry machinery, foodstuffs, agricultural produce and requisites in Scotland, the Midlands, north-east and north-west England, and London.

Mr. T. W. Campbell Wardlaw, for the applicant, said that Mr. Stubbs had done something wrong in altering the weight of a vehicle without notifying the Authority, but had now completely purged himself of the offence. Others whose licences had been revoked on similar grounds had now had them restored.

The applicant had suffered great hardship and had been out of work for some time. After his licence was revoked in July, 1958, he made an unsuccessful application for a licence in October the same year.

Later he acquired the shares of S. Rush, Ltd., Newcastle upon Tyne, and an application to put another vehicle on that licence was refused. In May, 1959, he appealed to the Transport Tribunal to vary the licence by addition of a vehicle of 5 tons 13 cwt. in place of one of 5 tons 2 cwt., and the appeal was allowed. Recently he had obtained an A licence in the Scottish Traffic Area.

Cross-examined by Mr. F. S. McHugh, for the British Transport Commission, who objected, Mr. Stubbs said a vehicle with a special-A licence was operated from a house in Dumfries. His other vehicle, the licence of which he was applying for, had been hired part of the time and for some of the time had been lying idle. He had had several inquiries from clearing houses for business.

Mr. McHugh submitted that there was no need for the vehicle and asked if Mr. Stubbs was a fit and proper person to hold a licence.

Following the Tribunal's decision. Mr. Hanlon said that a licence had been issued to S. Rush, Ltd., but they had not been able to find a registered office or the secretary of the company. Mr. S. Rush and his wife had nothing to do with the concern.

Mr. Hanlon reserved his decision.

New Transport Companies

Modern Motors (Commercial Road), Ltd. Cap. £100. Subs.: J, D. Watney and E. Berry, 61 Carey £100. Subs.: J, D. Watney and E. Berry, 61 Carey £100. Subs.: J, D. Watney and E. Berry, 61 Carey £100. Dirs.: A. S. Portors (Haulage), Ltd. Cap. £100. Dirs.: A. S. Portors and Mrs. F. C. M. Portors, 9 Hadley Street. London, N.W.1. Gwent Haulage Co. (Newport), Ltd. Cap. £1,000. Dirs.: W. H. Bruce. 18 Tennyson Avenue, Llanwern, Mon. and L. E. E. Jones. 4 Dale Road. Newport. Sec.: W. H. Bruce. Reg. office: 56 Stow Hill. Newport. G. B. Edwards, Ltd. Cap. £2,000. Dirs.: G. B. Edwards and Mrs. J. Edwards, Bedford House. Trewennack, Helston, Cornwall. Sec.: F. Nicholas. Reg. office: Bedford House, Trewennack, L. Tattersall and Co., Ltd. Cap. £2,000. Dirs.: L. Tattersall and E. Tattersall. 98 Styal Road. Gatley. Cheadle, Cheshire. Sec.: E. Tattersall. Reg. office: 8 Pater Street. Manchester. 2. John Villiers and Mrs. U. L. Villiers. 16 Mores Gardens, Cheyne Walk. London, S.W.3. Cottls and Sons (Contract), Ltd. Cap. £100. Dirs.: N. P. Cottis, 44 High Road, Hockley, Essex, and Mrs. J. K. Warner. 348a Rectory Road. Hawkwell, Essex. Sec.: A. J. W. Warner, Reg. office: Union Lane. West Street. Rochford, Essex.

Welltrips, Ltd. Cap. £100. Subs.: J. Herbert and T. A. Herbert, 156 Strand, London, W.C.2. Sec.: T. A. Herbert. Tripgrand, Ltd. Cap. £100. Other particulars as

Sec.: T. A. Herbert.
Tripgrand, Ltd. Cap. £100. Other particulars as for Welltrips. Ltd.
Tenger Transport, Ltd. Cap. £100. Dirs.: G. S. Keeling. The White Cottage. Cock Clarks. Chelmsford, Essex, and B. J. Tenger, 74 Southchurch Boulevard. Thorpe Bay, Essex. Sec.: G. S. Keeling. Reg. office: 30 City Road. London, E.C.I.
Collis Road Transport, Ltd. Cap. £100. Dirs.: R. W. G. Collis. Road Mrs. D. J. Collis. 30 Arthur Road. London, N.7. Sec.: R. W. G. Collis. Reg. office: St. Long Acre. London, W.C.2.
E. W. Sampson, Ltd. Cap. £1,000. Dirs.: E. W. Sampson and M. E. Sampson, 10 York Avenue. Liverpool, 17. Sec.: E. W. Sampson. Reg. office: St. Dale Street, Liverpool, 2.
J. W. Stiff, Ltd. Cap. £1,000. Dirs.: J. W. Stiff, 153 Ashburnham Road. Luton, and F. E. Hawkes, Brook End, Eversholt, near Bletchley Bucks. Sec.: F. E. Hawkes, Reg. office: 27 Durstable Road, Luton.
Merrischest Transport, Ltd. Cap. £100. Dirs.: F. A. Durant, I Ash Road. Hartley, near Dartford, Kent, and R. Eggleton, 44a Old Road East, Gravesend, Sec.: D. E. G. Wing, Reg. office: Merrischest. Bean, near Dartford.

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Mr. Ouin Seeks More Facts: Boom Swamping Haulage Facilities

AFTER being told that haulage facilities in the central Scotland and Grangemouth areas were being swamped because of an industrial boom, Mr. W. F. Quin, Scottish Licensing Authority, at Glasgow last week, adjourned the hearing of an application for increased tonnage by J. and A. Smith of Maddiston, Ltd., so that more evidence of objectors' services could be given.

New Meat Transport Regulations Mooted

NEW regulations for the carriage of meat are likely to be issued by Mr. J. S. Maclay, Scottish Secretary of State. Writing to Mr. G. M. Thomson, M.P. for Dundee, Mr. Maclay said that stan-dards of hygiene in Scotland were not satisfactory, and expressed regret over the withdrawal of closed meat vans in Dundee (The Commercial Motor, last week).

" It is a fact that in Scotland, although not in England, most meat is carried on platform-type lorries with removable canvas covers. I should like to see the use of closed vans greatly extended rather than discontinued." Mr. Maclay wrote.

He pointed out that regulations issued last year already applied to butchers carrying meat in their own vehicles. More detailed proposals to deal specifically with the handling and transport of meat were under consideration.

B LICENCE CUT TO ONE VEHICLE

BECAUSE one of two vehicles on a B licence had been disposed of—a fact which had not been reported to him-Mr. W. F. Quin, Scottish Licensing Authority, renewed it in respect of only one at a hearing in Glasgow last week.

Mr. William Wood, Glasgow, sought to continue his B licence for two vehicles with an increase in radius from 20 to 25 miles. The disposal of one vehicle had not been indicated in the presentation of the application. Mr. Quin said that, in their own interests, licenceholders should immediately inform him of such changes so that there would be no need to raise questions later.

He made a grant for one vehicle to carry engineering and building material up to 25 miles.

GRANT FOR "ARTIC"

AN A licence for an articulated outfit hin place of a rigid was granted to Mr. G. A. Stamper, Culgaith, by Mr. J. A. T. Hanlon, Northern Licensing Authority, at Penrith last week.

The applicant contended that the articulated vehicle would be easier to maintain and would cut out Sunday loading by allowing the use of a spare semi-trailer.

The licence was granted to allow the carriage of general goods, agricultural livestock, produce, and other goods to Scotland, Northern England and the Midlands.

British Road Services objected to the application, which was for five tractors of 25 tons, five semi-trailers of 184 tons, a vehicle of 5 tons and a "trailer portable tanker" of 51 tons.

The company had concentrated on carrying for major manufacturing concerns, said Mr. James Smith, of the applicant company. Petroleum products, plastics, chemicals, shipping and storage of goods were involved.

Efforts had been made to overcome pressure of work by intensified efficiency, but despite this and much hiring the present fleet was working to the limit. There was difficulty in hiring suitable vehicles.

Mr. Quin observed that the volume of hiring was not in itself important: the difficulty of obtaining suitable hired vehicles was.

An associated storage company had extended their warehouse space from 2m. to 9m. cu. ft., and were also experiencing acute hiring difficulty, he was told.

Questioned on the use of articulated vehicles, Mr. Smith said that this was a matter of fleet standardization. was also stated to be a shortage of tankers in the area.

Mr. Eric Harrop, of the Alliance Box Co., told the court that many sub-contracted vehicles had been unsatisfactory, and that one customer had withdrawn work temporarily because of this. Similar evidence was given by Mr. John Hall, transport manager of the Alloa Glass Co.,

Mr. Blower Returns to Guy Board

MR. A. L. BLOWER, the former chairman, and Mr. A. G. Jones, previously managing director, were re-elected directors of Guy Motors. Ltd., at last Friday's extraordinary meeting of shareholders. Their re-election at the annual meeting in December had been defeated by a small minority of shareholders.

Mr. Robin Guy, who was elected chairman after December's meeting, said production had increased by 44 per cent. and orders by 53 per cent. since the end of the last financial year. The company's biggest problem was the position of their South African subsidiary, for whom difficulties had been caused by the depression of hire-purchase business with non-European customers.

Mr. J. J. Parkes, chairman and manag-

ing director of Alvis, Ltd., and Mr. Arthur Chamberlain, a director of J Brockhouse, Ltd., were last week appointed to the Guy board.

LEYLAND GROUP CONFIDENT

ONFIDENCE in the group's prospects to the end of the present financial year was expressed by Sir Henry Spurrier, chairman and managing director of Leyland Motors, Ltd., in his annual statement issued on Tuesday.

He thought that, in Great Britain, the group could look forward with optimism, at least during the present Government's tenure of office.

TROLLEYBUSES TO GO

PLAN to replace trolleybuses with A motorbuses has been approved by Grimsby and Cleethorpes Joint Transport Committee. The new motorbus service will connect with new direct routes to Cleethorpes for passengers in outlying districts of Grimsby.

The committee also decided to give Grimsby dock workers a special shuttle

service at peak periods.

Objections to Big Increase Withdrawn

OBJECTIONS by the British Transport Commission and private hauliers to an application by Robert Wynn and Sons, Ltd., to increase their fleet by eight heavy articulated vehicles, totalling 78 tons, had been withdrawn, Mr. Idris Owen, South Wales Licensing Authority, was told at Newport, Mon, last week.

Mr. Noel Wynn stated that his company had agreed that the vehicles should be limited to the carriage of protected tubes and tubular-steel assemblies for Stewarts and Lloyds, Ltd., throughout

He gave warning, however, that a fresh application for the limitation to be lifted might be made later.

The application was based on evidence of increased output by Stewarts and Lloyds, but it was maintained that the existing fleet was already heavily employed. The value of work · done showed a rise of £20,000 in the past three

Stewarts and Lloyds were old customers of the company, and work for them showed a substantial increase. Traffic was from Newport to all parts of Britain. Early last year a new plant was laid down at Newport for the manufacture of protected steel tubes. These were not suitable for rail transport.

The plant came into operation last June, and from June 1-December 31 a total of 3,364 tons of tubes left the works. Wynn carried 3,139 tons.

In October Wynn were told that Stewarts and Lloyds would start doubleshift working, which was the reason for the present application. It was not certain that the proposed additional vehicles would cope with all the extra work.

The Licensing Authority reserved his decision.

PROFIT AND LOSS

Mann Egerton and Co., Ltd., £136,513 net profit after £132,478 tax. Year's dividend 22 per cent.

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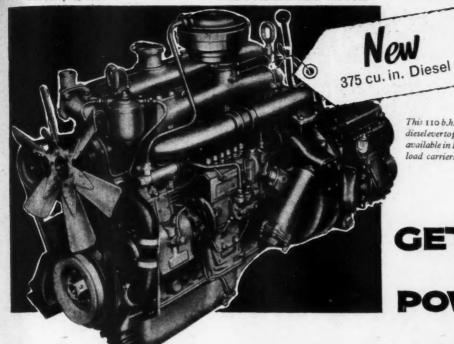
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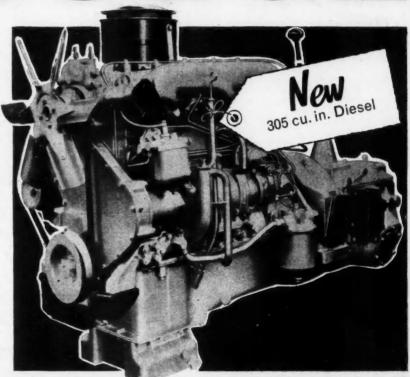
This 110 b.h.p. unit is the mightiest dieseleverto power a Dodge. It is now available in Forward Control 7-ton load carriers and Tractor models.

MORE POWER

DGE

A Dodge is job-rated for the task it has to perform. That is why you get the choice of six husky power units from 192 to 375 cu. ins. capacity. Each is designed to provide in abundance today's three most wanted qualitiesefficiency, economy and endurance. And with the right capacity engine comes the right type of transmission. There are four sizes of clutch and three different gearboxes - one four-speed, two five-speed. Whatever you haul, wherever you haul, Dodge power keeps big loads moving on schedule with satisfying economy and dependability.

> For Dodge 5 and 6-ton models this new 89 b.h.p. diesel brings more power. Distributor type fuel pump and chrome surfaced cylinder liners are among its outstanding features.



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South Wales Route Reconstruction

WORK is to start at once on reconstructing the Heads of the Valleys road, part of the link between South Wales and the Midlands. The A465 between Abergavenny and Hirwaun. which passes through mountainous country and rises to nearly 1,300 ft., will be made into a modern highway for 24 miles

At the eastern end, it will be linked to the Ross Spur motorway, now under construction, by the modernization of the existing road between Abergavenny and Ross. The new road, with a 33-ft. carriageway, will leave the A40 south of Abergavenny and run in a north-westerly curve through the valley of the Usk to Gilwern. A new bridge will carry the road over the Usk.

From the village of Gilwern, the highway will run south-westwards to Brynmawr. For the last 21 miles it will climb nearly 700 ft., at a gradient of 1-in-20, to replace the present road over Black Rock Hill, which has gradients of 1-in-8.

On this length, the new road will be carried through Clydach Gorge on a shelf cut into the rocky hillside. The removal of more than 300,000 tons of rock will be involved. The road will cross the River Clydach on a new 400-ft.long viaduct.

SEVERN BRIDGE—NEW STAGE

PLANNING of the Severn bridge and approach roads reached a new stage, last week, when the Minister of Transport issued draft regulations providing for alterations.

These are necessary because access to the road, apart from the terminal junctions with A38 and A48, will be limited to junctions with the B4461 and the Newhouse Farm Road, and the future Wye Valley link road.

TAIL SKIDS SHOULD BE FITTED HAULIERS who send vehicles to Liverpool docks with goods for export have been recommended to fit their vehicles with tail skids to facilitate unloading at the quayside.

This suggestion was made at a meeting of the transport committee of Liverpool Chamber of Commerce last week, when the question of delays at the docks was raised.

It was stated that although ship owners normally provided cranes and slings, the responsibility for unloading rested upon the lorry drivers.

N.A.A.F.I. DRIVERS' WAGES UP

TRANSPORT employees of the Navy. Army and Air Force Institutes have had their wages increased by 7s. a week in London, and 6s, 6d. a week in the provinces, as a result of negotiations by the Transport and General Workers Union. The following are the new London rates, with the provincial in parentheses: Vehicles of 1 ton or less, £9 16s. 6d. (£9 6s.); 1-5 tons, £10 0s. 6d. (£9 10s.); 5-8 tons, £10 5s. 6d. (£9 15s.); 8-12 tons, £10 13s. (£10 2s. 6d.).

Market Annexe Site Opposed

OPPOSITION is being organized against London County Council's proposal to convert a 5-acre site, known as St. Luke's printing works, into an annexe to Covent Garden market. is stated that 500 lorries could be dealt with at a time at the annexe.

The L.C.C. have been looking for a suitable place for a Covent Garden annexe to relieve the congestion at the main market, and the site they have chosen is at the intersection of City Road and Old Street. This is a busy junction, and in the vicinity are narrow residential streets, schools and an eye hospital.

Last week a protest meeting was held at the House of Commons. Lord Luke said that the plan was not helpful to the Minister of Transport's wish to keep traffic moving. Cllr. J. Samuels, leader of Shoreditch Borough Council, stated that the L.C.C.'s scheme was "born out of desperation without regard to the facts.

A deputation of six M.P.s is to approach the Minister of Housing and Local Government on the matter. In the area itself there is puzzlement over why the old Caledonian market should not have been selected.

PRINCIPLE FOR CARELESS-DRIVING CASES STATED

WHEN a driver is charged with driving without due care and attention, it does not matter if his failure to exercise caution results from a deliberate act or an error of judgment.

This was stated by Lord Parker, Lord Chief Justice, in the Queen's Bench Division last week. A lorry driver had been summoned at Ludlow for driving without due care and attention at All Stretton, Salop, but the magistrates dismissed the case as they concluded that his actions were deliberate and calculated.

This decision was taken to appeal before Lord Parker, who said that the magistrates would be directed to consider "whether the defendant exercised that degree of care and attention that a reasonable and prudent driver would exercise in the circumstances.'

£370,000 RISE IN COSTS FORESEEN

FORESEEING an increase in operating costs of about £370,000 in the coming year, Mr. F. S. Taylor, general manager of Newcastle upon Tyne Transport Department, is to ask the city council to apply for an increase in bus fares later in the year, if necessary.

Although a net profit of £146,000 for the year ending March 31 was anticipated, Mr. Taylor now faces a possible wages increase of £128,000, a reduction in working hours costing £150,000, and a loss of £92,000 created by the proposed abolition of the "eight-standing" rule.

In addition, a fleet-replacement programme would cost about £2m. undertaking, he said, did not want to be in the position of having to wait six months before they could put \d. on the

Fog Settles Dispute Over Routes

FOG brought about a quick settling of differences between applicants and objectors before the Yorkshire Traffic Commissioners at Bridlington last week. East Yorkshire Motor Services, Ltd., were applying to vary the routes of various stage-carriage services to Driffield, but were opposed by Driffield Urban District Council, who disputed the suggested routeing through the town on grounds of road safety.

After hearing the evidence, Maj. F. S. Eastwood, chairman, looked at the thickening fog outside and asked the parties if they wished to continue the case the next day. There was a hasty consultation between them, and an agreement was reached subject to detailed discussions on the routes being held.

Mr. W. R. Hargrave, for E.Y.M.S., said that the proposed routes would provide better links with railway stations. and might induce some people who had given up using public transport in favour of private to return. The industry could not afford to lose any more traffic, and road-rail links should be improved.

The concern had been considering this for some years, and had made provision for direct road services from railway stations at 20 centres.

LANCASHIRE TO TRY DIFFERENT CHASSIS

HAVING to replace 116 ambulances, Lancashire Health Committee are to buy 30 chassis of different types so that, after comparative trials in service, the remaining new vehicles may be selected according to operational experience. The order for the 30 chassis will be equally divided between Bedford, Karrier and B.M.C. models, and five of the B.M.C. types will be oilers.

Five companies will be asked to build the bodywork. Some bodies may be partly of plastics construction, but it is hoped to obtain a small number wholly made of this material.

OVERLOADING GIVES CONCERN

CONCERNED about the overloading of farm lorries, especially those carrying sugar-beet, Bury St. Edmunds Corporation have stressed the need for greater co-operation between hauliers. farmers and weights and measures inspectors.

The watch committee, having considered six cases of alleged overloading. have instructed the town clerk to prosecute in three, if he is satisfied with the evidence, and to warn those concerned in the others.

MORE NIGHT-WORK

NIGHT-SHIFT working on Bedford goods vehicles was extended this week. Light-van assembly, and the painting and trimming of lorry cabs and bodies, will provide work for 150 additional workers who have been taken on. By next month, the new working will result in an increase in production of 27 units a day. This will raise the output of light vans to 193 a day.

Mr. Quin Has Praise for Haulier

HAULIER was congratulated by A Mr. W. F. Quin, Scottish Licensing Authority, at Glasgow last week, for applying for a more suitable vehicle before acquiring it, rather than first putting it on the road and then seeking approval.

Mr. Thomas McMillan, Mearns, wished to replace a vehicle of 3 tons unladen weight by one of 5 tons. He proposed to buy an Albion Reiver to carry heavy agricultural machinery and equipment. Such loads overhung his present lorry.

A larger vehicle, said Mr. A. Jones, director of the Scottish Adhesives Co., Ltd., Glasgow, would provide better transport for drums of inflammable material, which the railways would not carry.

It was pointed out for the British Transport Commission, who objected, that the bigger vehicle would have 4 tons more payload capacity. Mr. Quin said that he proposed to exercise his discretion as the applicant had had the "good sense" to ask for a heavier vehicle before obtaining and operating it.

TOWING IN IGNORANCE

KESWICK garage proprietor, who A had used his light cross-country-type vehicle for towing caravans without knowing that he had to have a B licence, was granted a licence for a radius of 20 miles by Mr. J. A. T. Hanlon, Northern Licensing Authority, at Penrith last week.

For Mr. F. Hinde, Crosthwaite Garage, the applicant, Mr. T. H. Campbell Wardlaw said that his client was under the impression that his C licence covered the towing of caravans. He had been told that this was in order by someone at the office of the Licensing Authority, in Newcastle upon Tyne. His business was concerned mainly with towing caravans locally, although he did sometimes go farther afield.

Mr. W. B. Tyson, one of two objectors, said that he had one of the six vehicles licensed in Cumberland to tow caravans. He was concerned with towing only new caravans for longer distances.

MI STOP COST £5

LONDON lorry driver was fined £5 A for parking on the verge of the M1, at Ampthill, Beds, last week. It was believed to be the first case of its kind. Regulation 9 of the Motorways Traffic Regulations, 1959, lays down that no vehicle shall be driven or stop on any verge on the motorway except in an emergency.

ENFORCING WEIGHT LIMITS

WITH a view to enforcing the maximum laden weights prescribed by regulations, Lancashire County Council are being asked to re-establish the vehicle weighing section of the weights and measures department. Operation of the section was suspended during the war.

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Continuation "Nonsense" and an Injustice to Tanker Operators

F Fred Chappell, Ltd., Batley, were allowed to continue to operate under A licence, simply because they had spent a lot of money in modifying vehicles, it would make nonsense of the licensing system and be a great injustice to tanker operators who had built up their fleets by normal methods.

This submission was made by Mr. Kemp, for Bulwark Transport, Ltd., Chippenham, to Mr. J. H. A. Randolph, Yorkshire Deputy Licensing Authority, Bulwark Transport were last week. objecting to Chappell's application to transfer five vehicles from special A to A licence. The hearing was being continued at Leeds (The Commercial Motor, December 4, 1959).

The Authority made a grant, but dated it from April 1 to give the objectors a chance of regaining traffic they had lost during 1956-57.

Chappell had been determined to circumvent the 1953 Act and break into the profitable tanker traffic at the expense of existing hauliers, said Mr. Kemp. His clients did not challenge the claim of need; they founded their case on a question of principle.

There had been a complete change of user from that implied by vehicle descriptions on application forms, and increases in unladen weights. With one exception, all the vehicles had been acquired as flats. They had never turned a wheel as such, added Mr. Kemp, who also claimed that there had been false representations of ownership.

Mr. J. MacInnes, formerly sales manager of Comberhill Motors, Ltd., Wakefield, had said previously that in all cases Chappell had signed the forms and were responsible for statements of intention.

Recalled last week, Mr. MacInnes denied that the transactions had been used as a device to defeat the limitations imposed by the 1953 Act. He had gone to the office of the Yorkshire Licensing Authority for advice and acted on what he had been told.

Asked by Mr. Randolph why, if no falsification were involved, it was necessary to seek advice, Mr. MacInnes said that he had simply asked what to do and carried out instructions received.

Mr. A. W. Balne, for B.R.S. (Pickfords), Ltd., who also objected, said that the application was based on falsity. It was clear what the views of the Transport Tribunal regarding false declarations were since the C. F. Gill appeal.

Any officer of the Licensing Authority who was asked for advice was put in an embarrassing position. A suspension in this case would be unsuitable, he submitted. It would allow Chappell to keep their gains in return for temporary inconvenience

There had been no intention to deceive and at no time had Chappell or Comberhill Motors been told that what they were doing was wrong, said Mr. P. Kenny, for Chappell.

Before giving his decision, Mr. Randolph observed that large sums of money had been spent. It would have been better if Chappell had taken the advice of a competent lawyer instead of approaching clerks at the Licensing Authority's office.

It was clear that there was never any intention to operate the vehicles as described on the forms, and Mr. Chappell must have wondered whether the situation was not too good to be true.

Work to U.S. Base Beyond Limit

BECAUSE two B-licensed vehicles of M.S. Haulage, Ltd., Liverpool, had been mainly employed to carry food to the U.S. Air Force base at Burtonwood, near Warrington, they had exceeded the seven-mile limit imposed by the licence

This came to light before Mr. A. H. Jolliffe, North Western Deputy Licensing Authority, last week, when the company applied to extend the limit to 20 miles. It was explained that the Americans had left Burtonwood and the food transport had ceased. There had been many requests from organizations outside the Liverpool area who wished to use the company's facilities.

Mr. G. P. Crowe, for the British Transport Commission, who objected, pointed out that Burtonwood was more than seven miles from Liverpool. Therefore M.S. had been operating improperly. It was a case of "gross carelessness" by a company who had a local licence permitting them to operate in Liverpool and Merseyside, he submitted.

Mr. H. H. Roebuck, a director of the applicant concern, said that he had had no intention to deceive. When looking at certain maps it was easy to gain the impression that Burtonwood was near Liverpool.

The majority of maps was accurate, responded Mr. Crowe. Witnesses should have been called to prove that the vehicles would be fully employed if the radius were extended, and figures should have been produced. The applicants had not even bothered to ascertain the places to which they were allowed to carry.

Mr. Jolliffe refused the application for lack of evidence, and said that he would not penalize M.S. as he believed that they had not intended to behave irregularly. They had, however, been guilty of acting carelessly.

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Linking Said to Have Created Unlicensed Through Service

THE linking of Manchester-Nottingham and Nottingham-Great Yarmouth express services by Ribble Motor Services, Ltd., the North Western Road Car Co., Ltd., and Lancashire United Transport, Ltd., had created a new unlicensed through service.

This was alleged by W. Robinson and Sons (Great Harwood), Ltd., when they objected before the North Western Traffic Commissioners, at Manchester last week, to the renewal without modification of the licences for Blackpool-Manchester express services jointly operated by the three large concerns

For Robinson, Mr. J. Booth said that they had previously attacked the system of linking express licences when making an application of their own. On appeal, the Minister of Transport had said that he could not deal with the matter because the large concerns' licences were not before him. He had indicated that the question should be raised when renewal was sought.

The licences were for two separate services, one via Farnworth, Bolton and Preston, and the second via Westhoughton, Adlington and Preston, said Mr. G. Dawes, assistant traffic manager of Ribble. They had operated for many years, and in any 12 months passenger journeys exceeded 1m.

He agreed that through bookings were accepted for Great Yarmouth and other distant destinations. Facilities and inclusive fares were advertised in the national Press, but separate vouchers were issued for each leg of the journey. Coaches ran direct from Preston to Great Yarmouth on seven Saturdays during July and August last year.

Converted to Excursion

Mr. Alan Robinson, managing director of Robinson, said that his company had held excursion licences for Great Yarmouth since 1931. These served the greater part of east Lancashire and Preston and Bolton during the Wakes fortnight. The service started as an express, but was changed to an excursion at the suggestion of the then chairman of the Commissioners, Sir William Chamberlain. Many applications for extension and return to express working had been unsuccessful.

Up to 1957, the contest was between his company and the railways, and before the linking there was no suggestion that there was a competing road service.

Mr Booth submitted that the introduction of express linking in 1956 had destroyed all control. Robinson sought protection of the original service. He asked the Commissioners to vary the licence, to prevent passengers going beyond Manchester without alighting from the Blackpool service vehicle.

Prohibition of bookings, linking with other services, and the advertisement of through facilities was also demanded. Continued unlimited duplication would prevent Robinson from ever increasing their number of vehicles. A general service should show no preference to any particular operator, he claimed.

In reply, Mr. F. D. Walker, for the joint operators, said that there was unchallenged evidence of the importance of the service to the public. There had been no contravention of the law, and it would not be in the interest of the public to hinder the easy flow of travellers.

It would be unreasonable to require passengers to alight at the same bus station from which their next journey was to be made, he submitted. There was power to control by granting additional facilities to Robinson if the Commissioners thought fit.

In his view, said Mr. Walker, the Commissioners had no power to impose conditions such as Mr. Booth suggested. Once a bus halted in a station, it was not under the control of the road service licence until it went on the road again. Prohibition of bookings and advertising were also dubious matters.

Mr. F. Williamson, chairman, said that judgment would be reserved until the appeal against the North Western and Yorkshire Traffic Commissioners' decision in the Tyne-Tees-Mersey Pool application, to link with Llandudno, had been announced by the Minister.

Commissioners Serve Too Short a Time

IT was a bad thing that representatives of local authorities should be elected to serve on the panels of Traffic Commissioners for only a limited period, said Mr. Jack Evans at a meeting of the Leeds and District Graduate and Student Society of the Yorkshire Section of the Institute of Transport, last week.

Mr. Evans, an expert on licensing matters, said that at the end of their threeyear period such representatives had served their "apprenticeship." He thought that the period should be doubled.

Comparing the passenger and goods appeal systems, he said that he preferred the goods as it seemed to have been modelled on the procedure of the Court of Appeal.

WORKERS MUST HAVE BUSES

IT was no use changing working hours if buses were not available to serve employees. If notice of new working arrangements were given, bus operators would be able to revise their services. These points have been made by Mr. J. A. T. Hanlon, chairman of the Northern Traffic Commissioners, to the Northern Regional Board for Industry.

The board have since advised industrial concerns to inform bus operators of proposed changes in working hours.

REDEPLOYMENT DELAY?

THE introduction of shift-work for cotton workers in Lancashire, which is part of the industry's redeployment plan, may be delayed unless bus schedules are adjusted. In some districts where mills have started shifts, objections have been raised by employees who cannot catch buses after 10.30 p.m.

P.M.T. Challenge R.A.F. Facility

A DECISION of the West Midland Traffic Commissioners to grant a licence to Greatrex Motor Coaches, Ltd., Stafford, to run an express service from Newcastle-under-Lyme to an R.A.F. Maintenance Unit at Hopton, Stafford, was challenged by the Potteries Motor Traction Co., Ltd., at Birmingham last week.

They appealed on the ground that they were already providing adequate services to the depot, and that the Greatrex application ought not to have been granted. The inspector, Sir Maurice Holmes, said that he would make an early report to the Minister of Transport.

For the appellants, Mr. H. R. Herbert said that P.M.T. were already operating four services to the depot at the time of the Greatrex application. In their decision, the Commissioners had said that they accepted that the needs of the route were already adequately met by P.M.T. Both Greatrex and the appellants were limited by their licences to carry only civilian employees at the depot to and from their work.

A weekly fares schedule was operated by P.M.T., the fares being reimbursed, subject to a slight reduction, to the employees by the R.A.F. Greatrex operated a hire coach at £4 15s. a day, and their passengers had some deduction from their wages towards the cost.

The Commissioners, Mr. Herbert said, had taken the view, in granting the Greatrex application, that the burden on the public purse would be lighter in the case of a contract-hire service than in that of a fare-paying service.

He submitted that it was in the public interest in general, and the R.A.F. unit in particular, that the fare-paying service should continue. Moreover, if another operator were allowed to run a contract service it would draw off passengers from P.M.T. vehicles.

Mr. D. E. Skelding, for Greatrex, said that they had been operating their service before the approach was made to P.M.T., and that they were carrying a more permanent type of employee. Other things being equal, it was cheaper for the Air Ministry if these services were operated on a contract basis.

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Mastiff on the Motorway



A comfortable cruising speed of just over 60 m.p.h. was maintained on M1.

N average speed of 37.4 m.p.h. maintained between Birmingham and London is good going for the average private car, and most light and medium commercial vehicles would be hard pressed to approach such a figure. That such a speed was maintained over a distance of 107 miles by a Thornycroft Mastiff 20-ton-gross six-wheeler shows that this vehicle must rank as the fastest British heavy-goods design in current production.

Equally remarkable, however, is that this average speed was accompanied by an overall fuel-consumption rate of 9.7 m.p.g. This gives a time-load-mileage factor of 7,319, an exceptionally high figure for trunk operation in this country with a payload of 14 tons.

A run of this nature was made possible, of course, only by using M1, and further emphasized the advantage of such a road with respect to increasing traffic speeds between Birmingham and London. The vehicle used was a standard model as tested by The Commercial Motor (November 6, 1959). The only difference was that instead of the 6.14-to-1 rear axle fitted to the vehicle as originally tested, a final-drive ratio of 5.375 to 1, available as an option, was employed.

Over 60 m.p.h.

This high-ratio axle yields a maximum speed of 62.5 m.p.h. when the overdrive gearbox is fitted, and increases the direct drive speed from 40 m.p.h. to 50.5 m.p.h. Tractability and gradient performance do not appear to suffer unduly from the use of the higher ratio, and the Thornycroft was found to be docile in heavy town traffic.

The performance suggests that the 5.375-to-1 axle could well be adopted as standard for most normal haulage conditions, and that the 6.14-to-1 axle is necessary only when prolonged hilly working is expected.

It had been intended that speed and fuel-consumption figures be taken between London and Birmingham as well E12 as over the return journey, but unfortunately the fuel-test tank had a defective tap which caused an air leak to develop while running northwards on M1.

Therefore it was impossible to make a non-stop northbound journey, although figures were taken for the fuel-consump-

Running at 20 Tons Gross Weight, Thorny croft Mastiff 6 × 2 Achieves Average of 37.4 m.p.h. Over 107 Miles

> By John F. Moon, A.M.I.R.T.E.

tion rate between central London and the start of M10, with a further figure between M10 and the fuel station at Watford Gap.

These showed that the Thornycroft covered the 20.35 miles between the Temple Press car park in Clerkenwell and the Park Street access to M10 at an average speed of 19.9 m.p.h. and a consumption rate of 7.2 m.p.g. The figures are even more praiseworthy in view of the fact that central London was left at 8.30 a.m., when traffic was at its heaviest, and that 17 complete stops were made because of traffic hold-ups.

Similarly, the motorway section between Park Street and Watford Gap a distance of 55 miles—was covered at an average speed of 42.9 m.p.h., despite the fact that the six-wheeler had to



The finishing point for the southbound journey was the Lex Garage in King's Cross Road, London, where the main fuel tank was topped up after the 107-mile journey. The consumption rate was 9.7 m.p.g., giving a time-load-mileage factor of 7,319. The Mastiff had a 5.375-to-1 rear-axle ratio and overdrive-top gearbox.

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Birming minutes, 2 hours use for a last sect well, 26 the brak Concrete blocks totalling 14 tons were carried on the platform body, bringing the vehicle's gross weight to slightly over 20 tons. The cab comfort at high speed was praiseworthy and the sixwheeler was safe to handle at all times.

"limp" the last three miles at a speed of about 10 m.p.h. because of the fuel-line fault.

The average speed is even more remarkable because thick fog patches were encountered at the southern end of M1 (a 15 -vehicle collision occurred that morning because

of the fog), and three stops were made in this area.

A record was made of the number of gear changes and brake applications necessitated during these runs, and this showed that on the section out to M10 the brake pedal was applied 36 times, whilst second gear was engaged 19 times, third 26, fourth 28, fifth 19, and overdrive only three times. Overdrive was engaged for 9½ minutes out of an overall journey time of 61½ minutes, of which seven minutes was spent stationary.

On the M10-M1 section, the brakes were used 13 times at efficiencies of up to 45 per cent., whilst third, fourth and fifth gears were each engaged four times because of the fog.

Cruising Above 60 m.p.h.

When visibility allowed the Thornycroft to be taken up to its normal speed, it was cruised at just over 60 m.p.h. and on hills it was given its head. At times 67 m.p.h. was reached. The minimum speed on any of the gradients going northwards was 26.5 m.p.h., which shows the advantage of having a 130 b.h.p. engine in a vehicle of this size.

The return run to London was made by using the main fuel tank for the whole journey, and checks showed that 11.05 gallons had been used during the 2-hour 52-minute journey between Sheldon, Birmingham, and Clerkenwell, London. Traffic conditions were light when leaving Birmingham, with the result that the 22.6 miles between Sheldon and the start of the M45 spur were completed in 38 minutes (35.6 m.p.h. average speed) with 33½ minutes in overdrive.

The 65 miles on M45, M1 and M10 were completed in 1 hour 11 minutes, which gives the notable average speed for that distance of 54.8 m.p.h. This is within 8 m.p.h. of the vehicle's maximum speed, which speaks for itself. The Thornycroft's ability to worm its way through heavy London evening traffic is shown by the average of 19.4 m.p.h. recorded between Park Street and Clerkenwell.

Out of the total running time between Birmingham and London of 2 hours 52 minutes, the vehicle was on the move for 2 hours 45½ minutes, and overdrive was in use for all but 14 minutes of this. On the last section between M10 and Clerkenwell, 26 complete stops were made and the brakes were applied 46 times.



Between Sheldon and M45, second, third and fourth gears were each used once, while fifth and overdrive were engaged six times. Overdrive was the only ratio used on the motorway section, but after that second was used 21 times, third 25, fourth 21, fifth 29 and overdrive 13.

The route taken between Clerkenwell and M10 was the same as that employed during the four-vehicle comparative tests carried out shortly after the opening of the motorway (*The Commercial Motor*, November 13, 1959), and was by way of King's Cross, Highgate, Finchley and Barnet.

The Mastiff was found to handle extremely well under motorway conditions, and felt completely safe when travelling flat out. Indeed the general handling and quietness of the six-wheeler were far better on the motorway than those of many a private car, and in all respects the design is well suited to high-speed operation.

The flashing indicators are clear and well positioned; the mirrors give a good

range of rearward vision; the wide, wrapround windscreen gives clear forward vision (invaluable in fog, for example); whilst the driving position is as comfortable as one could ask for. The heater was a little disappointing, but the demister portion appeared to be reasonably effective.

The Thornycroft Mastiff 6 x 2 is, in many respects, ahead of its time so far as motorway operation is concerned, and, at present, is outstanding among British heavy vehicles.

It is a good example, however, of what can be produced from a basic design with little modification, and points to what can be expected from other sources in the next few years when motorway operation becomes more generally accepted.

One of the important lessons to be learnt from this Thornycroft vehicle is the emphasis that has been placed on general comfort and controllability—essential qualities if motorway working at sustained high speeds is to be both safe and economical.

Telemetry Speeds Track-testing

To aid the track-testing of prototype vehicles and components. Sir W. G. Armstrong Whitworth Aircraft, Ltd., have developed an automatic radio link which can transmit data obtained from strain gauges, thermocouples and similar measuring instruments on a vehicle in motion to a remote recorder stationed inside a building or, perhaps, in a caravan.

One type of equipment which has been demonstrated costs between £2,000 and £5,000, depending upon its complexity, and can record the readings of up to 23 instruments. The radio link handles 250,000 signals per minute so that, in effect, readings are recorded continuously.

An ultra-high-frequency, interferencefree wavelength is used, and the radio can have a range of several miles. The prototype unit employed a low-powered transmitter to give a two-mile range. Recording is carried out by either automatic ink pens or ultra-violet photographic charts to give graph-type presentation. The readings are displayed also on meters or a cathode-ray oscillograph to allow the test engineer to observe the result of tests as they are carried out. As the engineer is in contact with the driver of the vehicle through a V.H.F. radio-telephone link, he can indicate further tests required or warn him of imminent failure in any component under observation. Similarly the driver can communicate peculiarities in the behaviour of the vehicle.

The equipment carried in the vehicle is compact and weighs 30 lb. It can be placed on the seat beside the driver, who can switch it on or off as required. Power for the transmitter is obtained from the vehicle's battery. Transistors are employed in the gear as they are unlikely to be affected by the shocks which the vehicle-borne unit will have to encounter in service.

It is claimed that by using this telemetering device designers get a continuous record of performance from more sources and much faster than can be obtained with previous equipment. This could cut the development time for prototypes and reduce production modifications. One vehicle manufacturer has had the gear installed in a test car already.

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(Left) Vehicles are cleaned daily by hand. Water is never used—only liquid polish and "elbow grease." An A.E.C. bus is seen here.

The enterprise received a severe jolt in its infancy, for early in the 1914-18 war the entire new fleet was commandeered for war service. Later one or two other vehicles were acquired, which enabled a token service to be operated.

The end of the war saw West Bridgford with undiminished faith in its transport department. They bought two Straker-Squires and seven Allday open-topped double-deckers which served them well for several years.

From 1914-27, services ran to and from the boundary at Trent Bridge, where all passengers had to change vehicles. In 1927 an agreement was signed with the Nottingham Corporation to allow joint through services from West Bridgford, along Arkwright Street in the city of Nottingham to Walter Fountain, approxi-

The Smaller Undertakings

THE small passenger transport undertaking seems less likely to suffer from labour difficulties than its oigger brothers. At least that is the view of Mr. L. C. Harrison, general manager of West Bridgford Transport Department, a small undertaking just outside Nottingham.

Whilst most undertakings have been suffering from labour troubles in recent years, West Bridgford, with only 109 employees, has escaped. Maybe the solution lies in the progressive policy which the undertaking has followed since its inception 46 years ago.

It is significant that a locality so close to Nottingham should have its own independent bus organization. The department's origin was unique, for West Bridgford had the distinction of being the first urban district council to apply to Parliament for power to operate motorbus services.

On August 23, 1912, a meeting was called in West Bridgford to discuss the introduction of services. The proposal was so momentous, and involved such great expense, for the period, that it was decided to call a public meeting. This was held on January 16, 1913, when the proposition received full support. A Bill was duly presented and, following agreement with Nottingham Corporation and the county council, finally became an Act on July 14.

The new department began modestly in 1914 with the purchase of four vehicles. The first routes were limited, but today the undertaking, with its 28 double-deckers, serves the whole of West Bridgford, which has a population of 26,000, as well as the rapidly expanding Clifton estate with its population of 25,000. All services go into Nottingham, crossing the Trent Bridge, which separates the two areas and has been a source of controversy in passenger transport.



(Above) Mr. L. C. Harrison, general manager of West Bridgford Transport Department. (Below) The transport department is also responsible for vehicles of the surveyor's department—such as this Leyland-Albion gully-emptier with Yorkshire equipment.

First Bus System Owned by Urban District Still Growing After 46 Years

mately a third of a mile from the city centre. In 1930 a further agreement extended the terminus into the centre of Nottingham.

Of the department's present double-deckers, 25 have A.E.C. chassis and three have Daimler chassis with A.E.C. engines. Park Royal bodywork is fitted to 20 vehicles, two have Willowbrook, two Duple, three Reading and one Brush.

In addition to the passenger fleet, the undertaking owns four S.D. and three-Karrier CK3 refuse collectors. The S.D. models are fitted with "fore and aft" tipping bodies. A Leyland Albion gully-emptier, with Yorkshire equipment, a Bedford-Lacre road sweeper, two mechanical shovels, two 10-cwt. Morris



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(Right) An A.E.C. double-decker of the West Bridgford fleet of 28 buses on one of the 13 routes into the centre of Nottingham.

vans, four highway lorries and a Land Rover, for breakdown purposes, complete the fleet. The department are responsible for purchasing and maintaining these units, but they are operated through the surveyor's department.

Passengers are carried on 13 routes, all operating into the centre of Nottingham. Total route mileage is 28.7 and last year the total mileage covered was 794.324. Six other undertakings operate through the West Bridgford area but they are not allowed to pick-up or set-down within it.

Fares charged by the West Bridgford organization, determined on a sliding-scale mileage basis, range from 2d. to 7d. Children's fares are approximately half the adult fare, but as there are no 3d. fares they are taken up to the nearest



Escape

By a Special Correspondent

penny. The range means that 0.7 mile can be covered for 2d., 1.3 miles for 3d., 1.9 miles for 4d., 2.5 miles for 5d., 3.2 miles for 6d. and distances of over four miles for 7d.

A complex ticket arrangement deals with the distribution of money collected from the public. The area served by West Bridgford vehicles is divided into three sections, and a machine which issues three kinds of ticket is used. Fares for a short journey, within the West Bridgford area, go entirely to the undertaking.

If a passenger is picked up and set down in the city, the fare goes to Nottingham Corporation. Alternatively, if a passenger is picked up in West Bridgford and set down in Nottingham, the revenue is divided between the two undertakings. A Gibson machine auto-



(Above) A close-up of the Gibson ticket machine which issues three types of ticket on the journey between termini.

(Below) The rapidly expanding Clifton Estate, with a current population of 25,000, is also served by buses of the West Bridgford undertaking.



matically issues the three varieties of ticket, and the conductor decides which type is required.

The revenue of each undertaking is related to the joint services in each area, and is in proportion to the mileage run in the city, and vice versa. West Bridgford's average expenditure per bus mile is 29.64d, and the average income 29.85d, per mile.

Main function of the vehicles is to take passengers to work in Nottingham in the morning and bring them home again in the evening. Peak-hour conditions are experienced only from 8.10-8.50 a.m. and from 5-6 p.m. daily.

All vehicles are centralized at the headquarters in Abbey Road, approximately in the middle of the area, and it is here that all the department's vehicles, including those of the surveyor's fleet, are garaged, cleaned and maintained. Administration is also directed from Abbey Road.

Mr. Harrison told me that he has found female conducting staff as efficient as men. At present a quarter of the platform staff are women. He employs 31 male conductors, 11 conductresses, 42 drivers, 14 maintenance staff, five cleaners and six administrative office staff.

Unlike most transport organizations, maintenance of the West Bridgford fleet is not worked on a regular basis. No major attention is given to the vehicles unless they really need it.

At 70,000 miles all buses are given a thorough inspection, all components are tested and, if the vehicle is in satisfactory condition, it goes back on the road without modifications. If breakdowns occur the fault is rectified immediately.

Vehicles are cleaned inside and out daily, by hand. Water is never used; mud is brushed off and liquid polish applied. "The rest is elbow grease," summed up Mr. Harrison, who then showed me three vehicles which had just been fitted with Formica ceilings and interior panels to facilitate cleaning and in time it is hoped that the whole fleet will be fitted out in this manner.

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(1) The main Wallace Arnold departure station at The Calls, Leeds. For coaches operate British and Continental tours and excursions. (2) One of in Roe double-deckers, run by the Farsley Omnibus Co., Ltd., between Pudsey and



(4) A Commer of Hardwick's Services leaves the Scarborough bus station on the run to Ebberston. (5) Wallace Arnold maintain a booking office at Pudsey in conjunction with the Farsley depot. The double-decker is a Daimler-Roe.



(7) The Hunslet depot provides pit accommodation for a dozen vehicles. Two A.E.C.s and a Leyland are receiving attention. Every vehicle is inspected before a tour engagement.

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From Farm Boy to Coach Magnate

HEN he was still in his 'teens, Robert Barr, the son of a Scot who farmed near Wakefield, conceived the ambition to use the new motor vehicle to show Yorkshire town-dwellers the beauties of their own countryside. It was an ambition he followed with all his native doggedness in peace and war.

Today, the company he created operates 203 vehicles, covering 5m. miles a year, and carries some 55,000 passengers annually on extended tours alone. Since its foundation in 1912, the company has absorbed nearly 50 others and in addition to the coaching business which is its raison d'être, has interests in stage-carriage operation, car sales, service and hire, coachbuilding, the hotel industry and a travel agency.

All these enterprises are co-ordinated by the Barr and

(3) Kippax and District carried 2.4m. passengers in 1959. One of their Leylands is seen at Leeds. (6) An A.E.C. of Wallace Arnold Tours goes through the automatic wash at Hunslet.

Manual Barr, younger son of the founder, is an indurge of engineering. (9) Mr. Malcolm in in managing director, works from the Leeds headquarters.



How Wallace Arnold
Tours, Ltd., Have
Been Built Up from
Modest Beginnings
into One of This
Country's Leading
Passenger-transport
Organizations is
Described—

By Tom Walkerley Wallace Arnold Trust, Ltd., at its offices at 21 The Calls, Leeds, 2. This is a public company of which the major shareholding is in the name of the Barr family. The chairman and joint managing director is Mr. Robert Barr, the founder. He is assisted by his son, Mr. J. Malcolm Barr (joint managing director), his younger son, Mr. Stuart A. Barr (engineering) and a daughter, Mrs. Margaret Hook (tour organization), in addition to a number of co-directors. It is essentially a family business.

Within the group, the principal operating company is Wallace Arnold Tours, Ltd. Perhaps of historical interest, Wallace Arnold was, in fact, a coaching business operated by Wallace Cunningham and Arnold Crowe, who sold their partnership to Robert Barr on the eve of the General Strike of 1926 for £800. Mr. Cunningham remained with the new company until his death in 1950.

W.A.T. work from depots strategically located throughout the Yorkshire catchment area, at Leeds, Bradford, Scarborough, Royston, Castleford and Pudsey. Leeds,

E17



Hardwick's operate this Daimler, with Roe bodywork, on the Saturdays-only service from Scarborough to Malton.

Bradford, Castleford and Pudsey deal with vehicles engaged on extended tours, both at home and on the Continent. Scarborough is a busy excursion centre and Royston depot has a primary concern in the maintenance of works services, carrying mill workers from South Yorkshire to the West Riding.

In addition, Wallace Arnold transfer perhaps a score of vehicles from Yorkshire depots to London during the summer season. They are based on the metropolitan charting office at Park Lane, Croydon, whence they are worked on excursions and extended tours (including Continental) precisely as is the Yorkshire fleet.

In the Torquay area, Wallace Arnold Tours (Devon), Ltd., own a fleet of 18 coaches. The Trust maintains a controlling interest in their activities, but operationally they form a separate entity under the management of Mr. R. S. Hele. The Torquay enterprise was fully described in *The Commercial Motor* on November 28, 1958

Local excursions to coastal resorts and the popular beauty spots of the Dales can be arranged from any of the Yorkshire depots. Most of them also earn their fair share of the private-hire business. Yorkshire is a county of scenic beauty and the Yorkshireman has highly developed sporting instincts: there is thus a happy flow of customers as anxious to see Bolton Abbey as Bradford City.

Express Services

Wallace Arnold Tours run a number of express services. Of these, one from Leeds, via Bradford, Huddersfield and Stockport, serves Ringway Airport daily all the year round and is available to all airline passengers. Another express service operating daily connects Leeds with Blackpool. In this case, the winter timetable, from mid-October to early April, is worked in conjunction with the Harrogate-Blackpool service of the West Yorkshire Road Car Co., Ltd., and White Coach Tours.

Other express services are confined to the summer months. They include Leeds—Scarborough—Filey—Bridlington (daily), Leeds — Stanningley — Bradford — Southport (Saturdays), Bradford — Stanningley — Leeds — Wakefield — Castleford — Skegness (Saturdays), Leeds — Wakefield — Castleford — Torquay — Paignton (outwards Friday, return Saturday) and a night service to Great Yarmouth from Castleford and Wakefield (outwards Friday, return Saturday). Most of these services operate only at the peak holiday periods. Express services account

for nearly 300,000 miles a year, carrying 80,000 passengers. From Leeds alone, the day-excursion programme offers

nearly 70 destinations and there are 52 half-day trips and 21 evening excursions. Most ambitious is the 255-mile tour to Llangollen and Rhyl, which is accomplished between 8 a.m. and 10.15 p.m. Nearly a quarter of a million passengers make use of Wallace Arnold excursions annually.

Lest any hesitant potential customer should be deprived of their services through booking difficulties, Wallace Arnold have 28 offices in Leeds, six in Scarborough, 40 in other Yorkshire towns and villages and 800 active agents throughout Great Britain and the United States. A recent and most valuable acquisition is the travel agency of A. Carter, Ltd., Alexandra Road, Manchester, 16. The main charting offices are at 53 Corn Exchange, Leeds, as well as at Croydon, Manchester and Paignton (in the case of the Devonshire subsidiary)

Each depot issues, through its manager's office, a monthly programme of tours. These are co-ordinated by the Leeds head office and in many cases it is possible to link tours for economy and convenience. Nevertheless, there are distinct requirements as between the urban centres and the coastal resorts. Clearly, coach tours from the West Riding to the coast are busiest at the week-ends. Conversely, coaches based, for example, on Scarborough, are most fully employed in mid-week by holidaymakers seeking to widen their chosen environment.

Picking-up Points

In the case of extended tours, arrangements can be made to run feeder services from outlying districts to the central coach stations at Leeds, Scarborough or Hull. In the West Riding there are 17 licensed coach picking-up points, four in the East Riding and nine special points for certain tours. For Continental tours, feeder services foregather at Bawtry.

Charting at the Leeds offices presents a big problem. Nor is it confined to allocating particular seats on particular coaches. An important part of the coaching service is to be able to provide the best possible hotel accommodation on extended tours and at least adequate refreshment and toilet arrangements on shorter trips. There are personal requirements to be met, too: elderly or infirm passengers who need ground-floor bedrooms are not uncommon. In addition, there are operational instructions for each journey, in connection with the allocation of drivers to vehicles, refuelling arrangements and so on.

The magnitude of the task has led the directors to think along the lines of mechanical charting, and the Hollerith punched-card system in particular. This is to be used experimentally during the forthcoming season and will, it is hoped, produce passenger and hotel lists and the complete "form at a glance."

In addition to charting for the Yorkshire business, the Leeds head office maintains accounts for each of the depots, handles purchasing matters and deals with all licensing applications and objections. There is also a large and busy publicity organization, the activities of which cost some £30,000 a year.

Wallace Arnold have their own film unit, the results of whose work in the touring season are available, free of charge, to clubs and similar organizations during the winter. The company also run their own savings club: passengers can buy stamps of 1s., 2s. 6d. and 5s. denominations, which can be exchanged at any time for express, excursion or extended-tour tickets.

Much of the advertising carried out from Leeds is of a local character, for which the Yorkshire daily and evening

(Continued on page 21)

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The Atlas 29 ft. turning circle, far smaller than any other van in its class, means easier driving and parking—the driver can turn it in suburban roads without reversing. Result: quicker deliveries, greater petrol economy.

+

GREATEST CAPACITY

The Atlas load capacity is greater than any other vehicle in its class. Never before has such a van carried so much. Result: fewer journeys slash cost of delivery per item.

SLASHED SERVICE TIME

The Atlas engine, gear-box and front suspension are quickly removed as one unit. Never before has there been such lightning maintenance. Result: service time, and therefore service bills, slashed.

STANDARD



ATLAS 10/12 cwt.

Backed by a 12 months' guarantee and the world-wide Stanpart spares service.



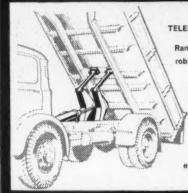
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TELEHOIST have a tipping gear for your type of truck!

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TELEHOIST TIPPING GEARS TO CHOOSE FROM!

Whatever the truck, wheelbase, capacity . . . or job . . . Telehoist have a tipping gear made for it! The complete Telehoist range covers four basic types of tipping gear and includes 24 separate models. One model of each type is illustrated below.



UNDERBODY TELELEVER TYPE GEARS

Ram units combined with robust 'Telelever' linkage mechanism, suitable for payloads from 5 to 15 tons according to the type of chassis. These gears provide great stability, especially when tipping on uneven ground.

UNDERBODY
SLANT TYPE GEARS
This range consists of single and twin ram gears suitable for payloads from 5 to 10 tons.
Telehoist slant type gears are specially designed to provide maximum stability during tipping.

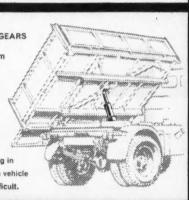


UNDERBODY VERTICAL TYPE GEARS

Twin vertical ram gears for payloads from 8 to 12 tons, where a lower loading line is desirable. Suitable for use with a wide range of chassis.

UNDERBODY
3-WAY TIPPING GEARS
Single and twin ram
units mounted
centrally to give
3-way tipping
movements for
chassis from 4
to 12 ton payload,
Specially

designed for tipping in tight spaces where vehicle manoeuvring is difficult.



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tipping gear and all-steel bodies

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newspapers are admirable media. The national Sunday Press, television and national magazines (particularly the women's section) have also proved successful winners of business. Local tours are widely advertised in the classified columns of local newspapers and direct-mail has produced gratifying results. It has also been found that the traditional chalked board has lost none of its pulling power. Carefully selected media in markets such as the United States, Canada and South Africa probably account for the high proportion (25 to 30 per cent.) of passengers from those countries who travel on Wallace Arnold coaches from London.

Amongst the more recent acquisitions of the Barr and Wallace Arnold Trust are the coaching businesses of Feather Bros. Tours, Ltd., Bradford, and J. W. Kitchen and Sons, Ltd., Pudsey and Bradford. Both these oldestablished companies retain their own identities and, in

fact, continue to compete with the parent

Feather Bros., the larger of the two with 12 A.E.C., 2 Commers and a Dennis, offer rather less expensive extended-tour programmes throughout the British Isles, as well as excursions and private-hire facilities. The company are notable for their comprehensive arrangements for elderly passengers in the out-of-season months of May. April. September and October. Kitchen's, with 4 A.E.C., 3 Bedfords and 2 Commers, concentrate on local excursions and hire-work.

A popular and successful member of the Wallace Arnold Continental-tour fleet is the Leyland Cub with lightweight coachwork by Plaxton. The centre-opening door and full-light roofline will be noted.

station and the colliery at Ledston Luck, via Kippax, Garforth, Whitkirk and Halton. The Sunday service operates in the afternoon only. The company also provide certain works services from Kippax to Leeds and excursions to Blackpool, Bridlington, Scarborough and other resorts. The fleet comprises 3 Leyland and 3 Daimler double-deckers. In 1959 the annual mileage was 182,000 and 1.4m. passengers used the service.

Wallace Arnold carry on their books 203 vehicles, of which 10 are double-deck Daimlers worked by the subsidiary stage-carriage operators. Standardization within the coach fleet has not been attempted, but rather more than half the total comes from A.E.C. When 24 Reliance now on order are delivered, there will be 129 in the

Wallace Arnold livery.

Next most numerous are 46 Levland Cubs and Royal Tigers. There are also 8 Commer diesels, 3 Bedford oilers,



Both companies act as agents for Wallace Arnold Tours. Although the Trust fleet is primarily engaged in tour and excursion traffic, three relatively small companies within the group are stage-carriage operators. These are Hardwick's Services, Ltd., Victoria Road, Scarborough, acquired in 1951, Farsley Omnibus Co., Ltd., Richardshaw Lane, Stanningley, who joined the fold about the same time, and Kippax and District Motor Co., Ltd., Butt Hill, Kippax, purchased in 1956.

Hourly Intervals

Hardwick's, with 3 double-deckers and 3 Commer single-deckers, operate a daily service, at about hourly intervals, between Scarborough and Ebberston, with extensions to Allerston and Yedingham on some runs. On Saturdays only, they run a morning and afternoon service between Scarborough and Malton, via Yedingham. Both these routes are of strictly rural character and, in the words of Mr. Malcolm Barr, "they are among the few rural services that pay." With a route mileage of 30, they carried nearly half a million passengers in 1959. Hardwick's also offer a coach-hire service.

A fairly frequent service between Pudsey and Tinshill. via Stanningley, Rodley and Horsforth, is maintained daily by Farsley with 6 double-deck Daimlers. At peak periods, Mondays to Fridays, the frequency is 15 minutes, extending to 30 minutes at the off-peaks. The Saturday service is at 20-minute headways and terminates at Horsforth. On Sunday mornings, the frequency to Horsforth is hourly, but in the afternoons there is a 20-minute service. With a route mileage of only 7, some 2.3m. passengers were carried last year.

Kippax provide an hourly service between Leeds bus

12 new Thames diesels, 5 Commer petrol, 12 Daimler and one each of Sentinel and Dennis, the last-named operated by Feather Bros.

Coachwork, too, represents a cross-section of the industry. There are about 90 Plaxton bodies, slightly fewer Burlingham and examples from Duple, Roe, Leyland, Yeates and Bellhouse-Hartwell. They are uniformly smart in cream and red livery. They are free from any fitting that might be regarded as outré or extravagant for the purpose, but have the loudspeaker arrangements that are essential to the tourist and an upholstery moquette specially made for the company.

New Premises

Maintenance of the fleet is the responsibility of yet another subsidiary company, Wallace Arnold (Sales and Service), Ltd., Hunslet. Mr. Stuart Barr is the director on the spot and he is assisted by the chief engineer, Mr. C. Hesketh. The company operate from imposing new premises, primarily designed as showrooms for Morris, Wolseley, M.G. and Morris-Commercial vehicles.

Above the showrooms are offices in which the vehicle sales accounts and the maintenance records of the coaches are kept. The system employed for the coach fleet comprises a comprehensive card per vehicle, the information for which is extracted from job cards kept in the workshops. It is thus easily possible to analyse the annual costs under headings which include mechanical or electrical replacements and repairs, bodywork, expenditure on tyres, fuel, lubricants and so on.

Full details of mileage are maintained, but fuel costs tend to lag behind the other information, because the group has countrywide bunkering arrangements. Fuel bills on the Continent are, of course, met in the appropriate currency by the driver-courier concerned. The accounting system is simple, but enables the performance of one vehicle to be compared with another and produces a coherent picture of expenditure from month to month.

Behind the imposing façade of Wallace Arnold (Sales and Service), the maintenance area consists of three large workshops. In the first block, the chief engineer and his assistant have their offices. Adjoining them is a bay containing 12 pits, tiled and well-lit, some of which are specially constructed for underfloor-engined vehicles. There is also a small machine-tool section and above it an inspection room for fuel-injection units and electrician's quarters.

The centrally placed shop is a garage commodious enough for 90 coaches, complete with fuelling bay and an automatic washing plant. Finally, there is a bodyshop operated by Wilks and Meade, Ltd., a coachbuilding business acquired in 1942. Here, up to eight vehicles can receive attention simultaneously.

Divorce of Interests?

An unusual feature of the fleet maintenance arrangements is that work on the coaches is fitted in alongside work done on cars and commercial vehicles brought in by customers of Wallace Arnold (Sales and Service), Ltd. It would seem that a divorce of the two interests under one roof will become necessary in the future if the flow of work is not to suffer irritating interruptions.

The preventive maintenance programme is based on the modest annual mileage of about 25,000 per vehicle. The company insist on a high degree of reliability, for poor hotels and breakdowns are the two things that can sour a coach tourist beyond the magic of a courier's tact. Wallace Arnold pride themselves on the fact that their coaches regularly cover 120,000 miles without trouble,

which includes blocked fuel injectors and punctures.

Every vehicle receives a thorough inspection before every extended tour and any work necessary in the summer is normally carried out at night. Nearly all the vehicles have been equipped with automatic lubrication systems which greatly reduce the work to be done in the pit. The aim is to dock every vehicle annually and one is brought to Hunslet from the outlying depots each week.

So far as the replacement of vehicles is concerned, the intention is to renew them within 10 years. However, none of the present fleet was bought before 1952, although one, a double-deck Leyland, has already covered well over 400,000 miles and still looks remarkably fit.

Cost of Tyres

Wallace Arnold figures show that 50,000 miles can be expected from a standard tyre and perhaps half as much again from a steel-cord tyre. The cost works out at about $\frac{1}{10}$ d. per mile.

Fuel consumption throughout the fleet is another matter which is constantly under review. With lightweight coaches, such as the A.E.C. Reliance and the Leyland Cub, the average appears to be in the region of 15.4 m.p.g. In running costs there seems to be little to choose between these two fine vehicles.

Wallace Arnold employ nearly 700 people, including quite a large number of youngsters. To interest them in a thriving industry, and to give them the chance to improve their efficiency and usefulness, the company have recently inaugurated the first of a series of courses, each lasting four months, for the apprentices. These are being held in the Hunslet workshops where the whole of the engineering background of the business can be assimilated virtually under one roof. If these courses prove a success, it is proposed to hold others covering a different syllabus for the drivers next year.

New Equipment and Publications

Hard-wearing Upholstery

NUMEROUS examples of applications for Courtaulds synthetic fibres and materials were seen at the recent "Courtaulds in Transport" exhibition. Among the materials was Duracour, a furnishing fabric produced by Courlak, Ltd., Cheapside House, Cheapside, London, E.C.2.

It was shown as the seat covering material in a car and was employed for this purpose and for the interior trim of a Duple-bodied coach. The material is attractive, is stated to stand up well to abrasion and resists staining and burning. When it does get dirty it can be sponged clean without difficulty. These attributes are achieved by a new type of face-finish. The material has good resistance to fading as it is produced from spun-dyed yarns.

Centre-post Lift

VEHICLES weighing up to 3 tons may be raised to 5 ft. on the latest centrepost lift offered by the Wakefield Group, Castrol House. Marylebone Road, London, N.W.I. The lift is operated by a combination of air and oil pressure giving a smooth action, whilst an automatic retarding device prevents any shock when the lift reaches its maximum up or down positions.

This attractive chromium-plated emblem is offered by Perkins Engines, Ltd., Peterborough. It is intended to be used to signify that the vehicle to which it is attached is fitted with their Four 99 oil engine.

Above-floor and flush-floor models are offered. Both can be used as turntables so the vehicles may be run off in any direction after servicing.

Engine Emblem

To signify the fitment of their Four 99 oil engine in cars and light vans. Perkins Engines, Ltd., Peterborough. Northants, offer an attractive, easily attached motif for external mounting. The emblem, which is chromium plated, costs 4s. 6d.

Faster Spraying

THE Tuffy lightweight spraying outfit recently introduced by the Aerograph-DeVilbiss Co., Ltd., 47 Holborn

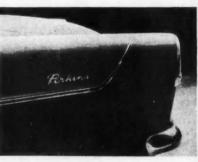
Viaduct, London, E.C.1, is now provided with an extra internal-mix air cap as

standard equipment.

The new cap permits higher spraying speeds for general painting and refinishing and can be used with a pressure-feed paint supply when a large volume of paint has to be applied to a wide surface

Plastics Pamphlet

THE range of eight engineering plastics produced and stocked by Polypenco. Ltd., 68-70 Tewin Road, Welwyn Garden City, Herts, is listed in a pamphlet issued by them. Applications for materials are given and their properties are described briefly.



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No feat of strength is required to get the non-reversible Crescent into tight corners in this manner, even when it is laden. The front and top of the rust-proof steel box open together for loading.

Three-wheeler Proves Agile in Congested Traffic: 88.6 m.p.g. with 2½-cwt. Load: Rubber-Cone Front Suspension

By Anthony Ellis ·



Swedish Three-wheeler is Lively and Economical

HREE-WHEELED goods-carrying derivations of motorcycles, once quite numerous, have almost disappeared in recent years. It is difficult to understand why this has happened whilst our towns have become increasingly congested, making goods delivery with conventional vehicles more difficult. For light loads, the three-wheeler, with its small overall size and outstanding manœuvrability, is highly suitable under these conditions.

Such vehicles are widely used on the Continent, and R. and C. Autocars, Ltd., 98 Park Lane, London, W.1, feeling that there was a place for them here, started to import one of the most successful Continental makes. This is the Crescent carrier, produced by Nymanbolagen A.B. Uppsala, Sweden, and based on their range of mopeds.

In its native country, the Crescent three-wheeler has a 50-c.c. two-stroke engine with conventional cycle-type pedals for starting and assistance on hills. As this arrangement would probably not be acceptable here, the carriers imported so far have had 100-c.c. engines started by a normal kick-starter in place of the pedals.

The engine is manufactured by Fitchel and Sachs in Germany and is in unit with a three-speed gearbox. It is a conventional fan-cooled single-cylindered twostroke developing 5.2 b.h.p. at 5,250 r.p.m.

The power unit is shrouded and the carburetter is recessed into the top of the gearbox housing to give a clean appearance. From the gearbox the drive is conveyed to the single unsprung rear wheel by a chain.

The tubular front axle carries disc wheels which are steered through an Ackerman-type linkage direct from the handlebars without reduction. Front suspension is by two rubber cone units assisted by telescopic dampers, the axle being located by leading radius arms. The front tyres are 4 x 8 in. whilst the rear wheel carries a 16 x 2.5 in. cover. No spare wheel is provided.

Drum brakes are fitted at all wheels, and the brake pedal in front of the offside footrest operates on the complete mechanical system. A conventional lever on the right handlebar actuates the rearwheel brake only, and can be locked on by a catch to act as a parking brake.

All other controls are conventional.

Gear selection is carried out by a combined twist-grip and clutch lever on the left handlebar. A similar twist-grip on the right actuates the throttle, and a small lever incorporated in the twist-grip housing closes the choke. This control was not used on any occasion during my

On the imported version of the carrier, current for the two headlamps and the rear lamp is provided by a 30-w. flywheel-mounted dynamo feeding a small battery. At one point the lights failed because, I think, of a fault in the voltage regulator. When they were working, the illumination was adequate.

The Crescent can be supplied with a number of box- and platform-type detachable bodies. For my test the chassis carried a steel box body made of

rust-proof Zintec giving a loading capacity of 22 cu. ft. Because of its steel construction, the box was rather heavy, requiring two men to remove it.

Fabrication in light alloy would simplify this operation and appreciably increase the payload capacity of the vehicle. A driver's cab is available for the Crescent, but was not fitted to the model I tried. The cab is open at the rear and gives excellent weather protection, but amplifies engine noise which, with the open version, is low.

The carrying capacity of the threewheeler is 2½ cwt. and bags of sand to make up this weight were carried throughout the test. As a speedometer was not fitted, it was impossible to obtain any acceleration or braking figures.



An attractive cab is available giving complete weather protection for the driver when on the move.

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However, in London traffic the Crescent proved quite capable of keeping up with and, indeed, exceeding the general traffic speed because of its good initial acceleration and its narrow width. which allowed it to be taken along the inside or outside of streams of slowmoving vehicles.

I was not so happy with the brakes, which after initial adjustment by taking up the two wing nuts provided, showed unbalance. It was found later that the footrest fouled the brake pedal, preventing it from swinging through its full arc and affecting the distribution of braking.

One of the advantages of a light, lowpowered vehicle should be good fuel economy. However, small two-stroke engines can sometimes show a surpris-ing thirst when driven hard. The Sachs unit in the Crescent does not have this fault. To assess the fuel consumption, I drove the three-wheeler from Waltonon-Thames to the centre of London.

This journey is 21.6 miles, half on open road, with the remainder in dense traffic. The Crescent was driven at full throttle almost continuously, which meant that it was running at its maximum speed of about 30 m.p.h. whenever possible.

The journey was completed in 1 hour 20 minutes, giving an average speed of 16.2 m.p.h. at a fuel-consumption rate of 88.6 m.p.g. Although the average speed may appear low, it is remarkably good when compared with the 1 hour 15 minutes which I regularly take to complete the same trip by car cruising 50-60 m.p.h. on the out-of-town section. The Crescent made such good time because of its ability to get around slow-moving vehicles.

Impeccable Behaviour

One of the most laudable features of the vehicle was the impeccable behaviour of the engine. It is designed to run on a petrol-to-oil mixture of 25 to 1. As the standard two-stroke mixture supplied by garages in this country is 20 to 1, I used this fuel throughout the test.

The engine was always easy to start. Once firing, it required about a minute to warm up and would then settle down to a really slow tick-over. It was quiet even when accelerating at full throttle and had no perceptible vibration period.

Having arrived at one's destination surprisingly quickly on the Crescent, few parking problems. there are Although it does not have a reverse gear, this is little handicap. Weight distribution is such that even when the vehicle is fully loaded it is possible to raise the rear wheel by the handle provided and move it like a wheelbarrow.

Steering is rather heavier than I would have expected. This is probably because of the large-section front tyres and the direct linkage employed. It takes a little time to get used to the direct action, but once one is accustomed to it the steering is pleasantly precise.

As the driver is looking over a flattopped box which does not turn with the steering, it is difficult on first acquaintance to aim the vehicle accurately. However, this effect soon disappears and, in the interim, it is reassuring to note that there is a robust bumper and lifting rail around the box.

The Crescent chassis, with the 100-c.c. engine, costs £145 and the standard steel box body adds £30 to this price. The cab, which is made from Zintec and light alloy, also costs £30.

Disc Brakes Spell Safety

EXTREMELY good retardation figures were obtained when a B.M.M.O. C.M.5 coach was put through braking tests by The Commercial Motor, although the roads were wet and greasy. These tests could not be made when this model was tried two months ago (see November 27, 1959, issue), because test weights might have shifted and damaged the interior. Another vehicle, however, was subsequently offered in partially completed form so that the braking performance could be measured. This proved that the B.M.M.O.-Girling disc brakes fitted as standard are highly effective at low speeds, as well as having renowned retardation powers at high speeds. The degree of retardation available at full pedal pressure is in excess of that normally required for passenger comfort.

Fully Laden Coach

The coach subjected to these brake tests was running at a gross weight of 9 tons 16 cwt. This is 1½ tons more than the weight of the coach tested in November, but approximately the weight of a completed C.M.5 with 34 passengers and driver, plus 1 ton of luggage in the boot. The front-axle loading was 4 tons 3½ cwt.

Maximum pedal pressure was used during the tests, the Midland "Red" driver exerting an average of some 320 lb. on the pedal. From 20 m.p.h. the coach came to rest in an average distance of 25 ft. The near-side rear wheels locked for 15 ft. of this distance, whilst the Tapley meter showed a maximum retardation of 65 per cent.

This was only 12 per cent. higher than the overall efficiency shown by the stopping distances, suggesting that-because there is little lag in the continuous-flow F24

powered hydraulic system-the coach would have stopped on a dry road in little more than 20 ft.

A similar degree of efficiency was recorded from 30 m.p.h. The average stopping distance from this speed was 49 ft., and the near-side rear wheels left 32-ft. skid marks. The Tapley-meter readings averaged 60 per cent., which is slightly lower than the average retardation indicated by the stopping distances.

Retardation rates from 20 m.p.h. and 30 m.p.h. were 17.3 ft. per second per second and 19.8 ft. per second per second respectively. These rates are higher than is normally acceptable for passenger comfort, but as the braking system is fully progressive it is unlikely that any traffic situation would be bad enough for a driver to have to apply his brake pedal as hard as during these tests.

The hand brake on these coaches acts on a 16-in.-diameter disc mounted on the nose of the rear axle, and hence derives additional power because it takes effect through the final-drive gearing. It is not surprising therefore that an average efficiency figure of 49 per cent. was obtained when hand-brake stops from 20 m.p.h. were made.

Both the rear wheels locked and bounced during these tests, and skid marks up to 30-ft. long were measured. Thus there is no doubt about the efficiency of the hand brake as an emergency reserve.

Because of time limitations, the usual fade tests made by coasting down a hill in neutral could not be carried out. Instead, 26 stops were made from 30 m.p.h. over 13 minutes (equivalent to a stop every 30 seconds) and these averaged 50-per-cent. efficiency.

FORTHCOMING EVENTS

March 7.—Institute of British Carriage and Automobile Manufacturers annual dinner, Grosvenor House, London, W.I.
March 10-20.—Geneva Show, April 26-29.—Institute of Transport congress, London, April 28.—Institute of Transport annual dinner, Dorchester Hotel, London, W.I.
May 2-3.—National Association of Furniture Warehousemen and Removers' annual conference. Bournemouth, with

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May 3-13.—Mechanical Handling Exhibition, Earls
Court, London.

May 4.—British Association of Overseas Furniture
Removers' annual conference, Bournemouth.

May 17-19.—Public Transport Association annual

conference, Scarborough.

May 28-22.—Institute of Traffic Administration conference, Black Boy Hotel, Nottingham.

June 14-17.—Institute of Public Cleansing annual

June 14-17.—Institute of Public Cleansing annual conference, Portsmouth.
July 5-8.—Royal Show, Cambridge.
September 12-16.—Municipal Passenger Transport Association conference, Douglas, Isle of Man.
September 18.—Lorry Driver of the Year Competition Final, Fort Dunlop, Birmingham.
September 23-October 1.—Commercial Motor Show, Earl's Court. London.
September 26.—Passenger Vehicle Operators' Association annual dinner, Grosvenor House. London, W.I.
October 6-16.—Paris Show.

London, W.I. October 6-16.—Paris Show. October 16-12.—Road Haulage Association annual conference, Blackpool. November 3-13.—Turin Show.

No Fade Obtained

The last stop, however, was made in the form of a "crash" stop, and this produced a meter reading of 60 per cent., which was exactly the same as that obtained when making the earlier braking tests.

The rather severe treatment had brought about no reduction in the braking efficiency, proving the braking system of the Midland "Red" C.M.5 75 m.p.h. motorway coaches to be well up to the high standard of the rest of the vehicle. Even under adverse road conditions, the brakes can produce figures which cannot always be obtained on other, slower passenger vehicles, even on dry roads.

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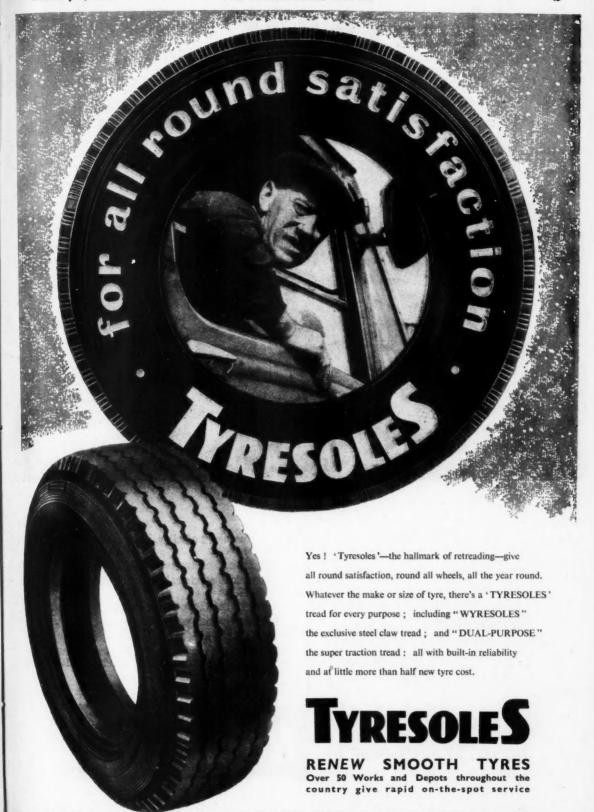
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The B.T.C.—A Commercial Concern, or Public Service?

"ARE we a purely commercial concern?" Sir John Benstead, deputy chairman of the British Transport Commission, asked in a paper read to the Metropolitan Section of the Institute of Transport on Monday. "Are we a public service, or do we rest uneasily between the two?" he added, describing it as a "highly charged political question," but one of fundamental importance.

February 5, 1960

The Commission had secured much freedom under the Transport Act, 1953, particularly with regard to freight rates; but that freedom was essential whether the Commission were to be regarded either as a commercial undertaking or a public service.

"I cannot see that in a small, highly industrialized country like ours, the railways, so essential to our economic life, can ever be free from the responsibilities of providing a public service," he declared.

An integrated road-rail service was not a revolutionary idea. Indeed, it was an accepted fact in the Commission's railway and road cartage and delivery services. Unless the country was prepared to face colossal expenditure, common prudence would dictate the proper use of rail and road tracks to provide the most economic service for the country.

Ultimately, the nation must examine anew the vexed question of inland transport. "What can the nation really afford to spend upon transport?" Sir John asked. "The colossal outpouring of motor vehicles of every description, the vast expenditure required on roads—not to mention the tragic toll in human lives and suffering—the problems of meeting adequately the requirements of public transport, passenger and freight, all these things cry aloud for proper assessment."

He was convinced "that ultimately we shall return to the essential truth that public transport services of the kind wanted by industry, commerce and the travelling community must be organized for, and by their very nature must be based on, and depend on, a due amount of regulation and co-ordination."

Sir John, the only remaining member of the original Commission still serving, recalled the severe winter of 1946-47, when more than 16 per cent. of British Railways' wagons were out of use. The next winter was mild, but as a precautionary measure traffic had to be diverted to road, and a movement towards road transport was started.

The Commission could not avoid being subject to the general policy of the Government of the day. The profound change of policy which occurred when the Conservatives were returned with a working majority in 1951 coincided with the period when the Commission were at last in a position to carry out the basic principles of the 1947 Act. Plans for integration had reached an advanced stage. In 1952, when preliminary arrangements were made to break up the State road haulage undertaking and to decentralize the railways, the B.T.C. secured a working surplus of more than £50m.

"Investigate Railway Rules"

"IN the light of present-day conditions, I recommend in the strongest terms that the railway authorities look into the question of regulations concerning the transportation of vehicles by rail," said Mr. J. A. T. Hanlon, Northern Licensing Authority, at Newcastle-upon-Tyne last week.

"Prospective customers should not have to encounter petty and niggling regulations which prevented the railways offering the sort of service they are entitled to offer," he added.

Mr. Hanlon had recalled a company whose application to operate a car transporter had been granted by Mr. G. W. Duncan, Deputy Authority, "subject to what Mr. Hanlon might have to say" (The Commercial Motor, January 22).

(The Commercial Motor, January 22).
G. A. Glendinning, Ltd., Shotley Bridge, County Durham, had applied to operate a transporter to carry new vehicles from the manufacturers to the north-east. It had originally been adjourned to enable transporter operators from the Midlands to attend.

Mr. T. H. Campbell Wardlaw, for Glendinning, told Mr. Hanlon that the road objectors were no longer interested. At the last hearing his clients had reached agreement with the railways, provided that Glendinning undertook to carry vehicles only for certain customers.

During the application, a witness had stated that it was inconvenient to send vehicles by rail because petrol tanks had to be drained. Mr. Hanlon considered that the regulations should be brought up to date, and asked Mr. I. Robey, for the railways, for further information.

Mr. Robey said that he understood that vehicles carried by rail were allowed up to two gallons of fuel in their tanks, provided the carburetter was drained. The regulation "sounded a bit more sensible," said Mr. Hanlon, but he observed that it probably dated back to the days when a man had to walk in front of a road vehicle with a red flag.

Mr. Robey said that he would pass on Mr. Hanlon's observations to those instructing him.

Albion Introduce a 12-ton Tractor

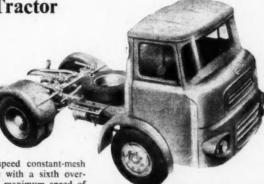
A SUCCESSOR to the Albion-Scammell FTIIIKTR tractor unit has been introduced by Albion Motors, Ltd. The new model is based on the Chieftain series II range of 7-ton chassis and is designated the CH7TR. Its gross-train-weight rating is 17½ tons, and this is 2½ tons higher than that permitted with the model it supersedes.

Another important difference is that the new tractor is some £40 cheaper than its predecessor, whilst the Albion EN335 oil engine develops 94 b.h.p., compared with the 75 b.h.p. output of the engine used in the earlier tractor.

The new Chieftain tractor has a wheelbase of 7 ft. 8 in., which is 6½ in. shorter than that of the FTIII model. It has the standard Chieftain forward-control all-steel cab with entrance steps ahead of the front wheels, and the rear axle is the Albion double-reduction unit. The recommended 7.712 to 1 ratio enables 1 in 5.7 to be climbed at full weight.

The new prime mover is cheaper and more powerful than the model it supersedes, and payloads of 12 tons may be carried on a 25-ft. semi-trailer.

The Albion five-speed constant-mesh gearbox is available with a sixth over-drive ratio, giving a maximum speed of 42 m.p.h. The Girling hydraulic brakes are boosted by a 9½-in.-diameter Hydrovac, which incorporates a reservoir, and the Scammell Mark IIB coupling gear fitted includes a slave Hydrovac to control the semi-trailer brakes and a



trigger-operated slave servo for the coupling-release mechanism.

The CH7TR tractor has a 37-gal, fuel tank, and the tractor's gross-weight rating permits a payload of 12 tons to be carried on a 25-ft. semi-trailer.

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B.R. Fail in Coal Transport Case: Wagon Shortage

A N unsuccessful objection was made by British Railways before Mr. A. H. Jolliffe, North Western Deputy Licensing Authority, at Lytham last week, in a case in which the advantages of road transport for coal were emphasized. Walker Bros. (Heysham), Ltd., applied to add four vehicles, currently operated under short-term licences, to their A licence.

Mr. J. Walker, director of the applicant company, said that they were receiving more orders than they could execute. The industries in which his chief customers were concerned were raising their output. The four vehicles had been fully employed during the time that they had been on short-term licences, and he put in figures to support this.

Stating that his company's main source of competition was foreign imports, Mr. F. Charles, transport manager of Messrs. Hardman and Holden, manufacturers of iron oxide, said that they had been at a disadvantage recently because they had been unable to obtain all the transport they required.

He told Mr. G. P. Crowe, for the railways, that although he had no animosity towards B.R., the gas industry, which used iron oxide for purification purposes, seemed to prefer road transport.

Mr. C. Blundell, of R. Gardner (Lancaster), Ltd., solid-fuel merchants, spoke of difficulties in obtaining deliveries of coal, which took about 10 days to come by rail from South Wales and about four days from Yorkshire. His company were not able to rely upon continuity in supply, and were offering the applicants far more work than they could deal with.

Mr. Blundell added that he had been told by the National Coal Board that there was a shortage of railway wagons which had made the handling of coal difficult The wagon shortage was only temporary and steps were being taken to relieve it, Mr. Crowe submitted. The railway's position had been exaggerated and much damage might be done if the applicants' fleet were increased. Much of the work with which Walker Bros. could not cope could be done by the railways, he said.

For the applicants, Mr. J. A. Dunkerley pointed out that there had been no evidence from the railways to show that they had extra facilities to offer, and there was no suggestion of abstraction of traffic. Although the wagon shortage was "temporary," nobody seemed to know how long this state of affairs was likely to continue.

Mr. Jolliffe was satisfied that Walker Bros. had made out a case and granted their application.

Fort Dunlop for Contest Final

THE final of the Lorry Driver of the Year Competition will be held at Fort Dunlop, Birmingham, on September 18. This was agreed last week by the national executive committee of the competition.

Apart from the Weymouth round, which is to be held on April 23, the Birmingham contest will take place on May 22, the Manchester round on July 10 (subject to confirmation), and the Leeds and Coventry contests in June.

Other dates have yet to be fixed. It is possible that new centres will be inaugurated at Blackpool, Liverpool and Stepney.

The executive committee decided not to adopt the suggestion that in the final the Lorry Driver of the Year should be established by an index of performance. Instead, they agreed to preserve the present system, under which the supreme title holder is found by competition between the class champions.

In eliminating rounds, the time element is to be abolished, even for the purpose of deciding ties. Instead, a maximum reasonable time will be placed on each test, and anyone who exceeds it will lose 100 marks. In the event of a tie, the performance on the road section will in the first instance be used to decide the winner. If a tie still results, the performance in the three manœuvrability tests will be taken into account.

In last year's final the team award was withheld because of a protest against the method of computation. A new system has been devised in which the class placings of each team (all the competitors from each centre are regarded as constituting a team) are divided by the number of entries in each class. The executive committee decided that this was fair, and that last year's team prize would go to Weymouth.

Weymouth was, in fact, the winner under the previous system of calculation. The new method, however, made material differences to the positions of other centres in the team contest.

The Commercial Motor was informed on Monday that the Oxford round would be held at the premises of S. Smith and Sons (England), Ltd.. Witney, Oxon. on July 17. Entrants will leave Oxford at 9 a.m. on the road test to Witney. There will be an optional maintenance contest organized by the Traders Road Transport Association. Entries should be sent to Mr. H. J. Wall, City of Oxford Road Safety Organization, Town Hall, Oxford, by July 1.

R.H.A. Committee to Watch Bans

THE national executive committee of the Road Haulage Association last week approved the appointment of a national traffic committee—in effect, a sub-committee of the executive. Its aim is to co-ordinate reports on restrictions on loading and unloading in London and the provinces, and to keep members advised of dangerous developments.

Members are urged to take action locally through chambers of commerce and other organizations, and to watch town-planning schemes to ensure that they make adequate provision for loading and unloading, as well as for parking. Members are also asked to report to the Association new proposals for restrictions.

Members of the traffic committee are Mr. W. Bridge (Flowers Transport, Ltd.), Mr. C. Collins (Collins Express Parcels Service, Ltd.), Mr. R. H. Farmer (Atlas Express Co., Ltd.), Mr. E. J. Shaw, Mr. P. H. R. Turner (Thomas Allen, Ltd.), and Mr. J. T. Turner (J. H. Turner, Ltd.). They will collaborate with other bodies interested in traffic matters.

The executive also confirmed support for an appeal against the grant by the Eastern Licensing Authority of 33 vehicles and 12 trailers at the Bedford base of British Road Services.

It was reported that, as a result of representations by the R.H.A. against the need for operators to keep records of E28.

diesel oil, the Board of Trade were investigating systems of control over the use of tax-free fuel. There is likely to be some delay before the Association know the results of the inquiry.

It was agreed to support the Free Trade Union in their plea to the Board of Trade for the removal of import duty

No objection was taken to the Minister of Transport's new proposals for trailer plates (The Commercial Motor. January 15).

The Association's solicitor is to be asked for his opinion on the possibility of recovering payment in cases where a vehicle has sunk on the "hard" shoulder of M1 and has to be salvaged. The argument is that, as vehicles are not allowed to stand on the carriageway, and if the "hard" shoulder is too weak to withstand the weight, the operator should not be called upon to pay for salvage.

MAY 18 FOR R.H.A. DINNER

THE Road Haulage Association will hold their annual dinner at Grosvenor House, London, W.1, on May 18. The retiring national council will meet that day, and the new national council will hold their first meeting on May 19, when a new national chairman will be elected.

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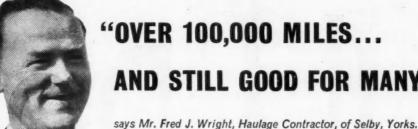
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Operators report on 3.T NYLON GIANTS-4



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This letter from Mr. Wright is proof that Goodyear 3.T Nylon Giants outwork and outlast other truck tyres.

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another make. This means they have done at least, twice the mileage, which is in fact 101,790 miles. A magnificent performance.

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Political Commentary

By JANUS

PEAK ON PEAK

VERYONE is agreed, said Mr. R. A. Butler, Home Secretary, the other day, that something ought to be done about traffic jams, but nobody seems to agree what we should do. He then went on to reveal the Government's plan for a Bill to deal with traffic wardens and other matters. In view of his somewhat tentative assessment of the problem, Mr. Butler might agree that the Bill could have unexpected and not necessarily desirable by-products, like so many other matters concerning transport.

The full effect of the Pink Zone scheme in central London is still to be analysed. One criticism is that any improvement there may be in traffic conditions within the zone is matched by increased congestion outside. The variations on this theme have become familiar. The motorway leading to a big town merely helps to build up a traffic jam there a little more quickly than would otherwise be the case. An urban motorway encourages more cars, which then choke up the side streets. The centres of towns become deserts of concrete road, from which people flee to the outer suburbs, thus creating a further demand for transport.

Other unforeseen results may follow the attempt-and the Pink Zone scheme appears largely to be directed towards this end-to discourage the man who wishes to park his car all day in the West End. The driver who is convinced that it is better to leave his car at home becomes a commuter and uses public transport. If enough people follow his example, more buses and trains will have to be provided in the peak periods. There may well be a decreasing demand for them at other times of the day, particularly if the wives find that the car is now at their disposal for their own visits to town.

There may thus be an accentuation of the trend noted by at least one speaker in the recent Institute of Transport symposium on the problem of the peak. Mr. P. A. White, line traffic manager, South Eastern Division, Southern Region, British Railways, said that in 20 years the number of passengers passing through the seven terminals of his region in London during the business periods had gone up by 23 per cent. and now accounted for about 600,000 journeys every day. The increase was even greater, actually 52 per cent., in the two busiest hours, one in the morning and the other in the evening. "Off-peak demands have actually declined," said Mr. White, and he added that the overall increase in daily traffic was only some 15 per cent. higher than before the war.

More Work

According to reports, both Mr. White and the contributor to the symposium on the road side, Mr. A. F. Neal, general manager, Manchester Transport Department, agreed that they liked peak traffic. Their enthusiasm was not over-"There seems little doubt," said Mr. Neal, whelming. echoing his companion speaker, "that the problem is steadily changing, and apparently for the worse." If the Pink Zone scheme merely throws more work during the beak period on the already over-burdened public transport services, they may find it a handicap rather than a benefit.

Other devices that are supposed to relieve congestion may not work to the advantage of the passenger operator. At one time the London Transport Executive spent much effort and money in trying to persuade the employers in central London to stagger their working hours. Presumably, London Transport hoped to even out the demand for their services, but certainly not to reduce the demand. Now

comes a cautionary story from Mr. W. M. Dravers, chairman, Devon General Omnibus and Touring Co., Ltd. He has discovered a disturbing fact at a large trading estate where the starting and finishing hours are both spread over a period of two hours. At a new factory on the estate, many of the workpeople have their own means of transport. To avoid conforming with the staggered starting and finishing rota generally observed, they are urging their colleagues without cars or motorcycles to acquire them.

In keeping with the visionary school of thought rapidly gaining ground now that the traffic problem threatens to get completely out of hand, Mr. White spoke of the need for "a new design for living in London and not just a new transport policy." Something must be done, he said, about the unrestricted and growing determination to work at the centre of London and live on its fringes. The peak problem would certainly be solved if most people could be persuaded to live within strolling distance of their place of work. Unfortunately, they might lose altogether the habit of using public transport and turn to the private car even for their pleasure journeys.

Drastic Steps

Goods-vehicle operators have different problems from those of the providers of passenger transport. Their views on traffic control, which it is now the fashion to dignify with the scientific-sounding name of traffic engineering, have become firmer because of the Government's manifest intention to take early and possibly drastic steps. What were regarded as experiments a few years ago are now being applied generally and permanently.

If there must be restrictions, it is reasonable to plead that they should weigh as lightly as possibly upon public transport and the carriage of goods for trade and industry. It is equally important that no unnecessary impediments are created. Because the authorities, in the centres of some farge towns, have banned loading and unloading at certain times of the day, the example is spreading to other smaller towns where far less drastic measures would cope with whatever congestion there is. Rightly, the associations representing vehicle operators are protesting as strongly as possible.

Restrictions on collection and delivery may be borne for limited periods, as they were during the Christmas rush. The problem becomes serious when they are made permanent. The shopkeepers who are chiefly affected, whether or not they have vehicles of their own, would gladly join forces with the hauliers in demanding positive action. Wherever possible, laybys should be provided for vehicles loading and unloading and also for bus stops.

Provided reasonable regard is paid to their special interests, commercial operators will agree with most of the steps that the Government are proposing to take to deal with urban congestion. There is no objection to traffic wardens, even if there were opposition to summary convictions or on-the-spot fines. More one-way streets would be popular, and there would be support for the restriction of right-hand turns at certain much used intersections.

All operators would like to see clearer but fewer markings. Lane discipline could be greatly improved, and would be very much helped if bold notice of the lanes were given well in advance. During the rush periods practically all the traffic is in one direction, so that it would be worth while to have lanes clearly marked and to change their direction according to the flow of traffic.

Planning for Profit

Recording of Information Needed for Statistical Analysis Must Be Simplified and Reduced to a Minimum

The Nightingale Engineering Co., Ltd., Western Lane, London, S.W.12. have lately been supplying a number of Alkinsons to H. Pye and Son, Ltd., 53-57 Southampton Way, London, S.E.5. This tanker is an impressive example. It has a Gardner 6LX engine, a David Brown gearbox with overdive and a double-reduction. with overdrive and a double-reduction rear axle.



DON'T MAKE FORMS TOO MUCH WORK

S form-filling non-productive? In recent years, mainly because of the trend towards the amalgamation of trade and industry into larger units, the amount of recording needed in a wide range of activities has undoubtedly increased. Central headquarters call for returns from branches, so that scope for economies may be revealed by statistical analysis.

Another reason is the greater degree of Government control of business. There are now more statutory returns to be made. Unfortunately this trend has debased the correct use of forms and recording systems. Properly employed, a form should provide a means of recording information more convenient than any other. If it fails to do this, it is either badly drawn up or the conditions under which it is being employed are not suitable.

For example, specially printed forms may not be justified when information has to be set down only at long intervals. In such a case records may just as well be kept on a simple plain sheet. In contrast-and particularly in some transport operations where conditions change rapidly-forms may create far too much work. A more flexible method would be of greater use, and instances are the pin- and magnetic-type indicator boards upon which fleet location and availability may be marked.

Memory Sufficient

The object of keeping a recording system differs according to the size of an operator's fleet. The owner of one or only a few vehicles is at an advantage, because much of the day-today information he wants need not be committed to paper, as memory suffices, even though he is at a disadvantage because the cost of even a small amount of stationery and clerical labour could well represent a high proportion of his overhead costs.

A big operator, on the other hand, would obviously find it quite impossible to rely upon memory, and an efficient and comprehensive control and accounting department would be justified and economically feasible because of the scale of his activities.

Selection of an appropriate recording system is most difficult with fleets of intermediate size. In such a case the operator should try to retain as much of the personal element as obtains with the small user, whilst applying the methods normally employed by big organizations, wherever they are appropriate.

When considering the drawing-up of a form, a clear distinction must be made between one which will be completed by manual workers and that which will be compiled in an office. Comparatively detailed reports entered in several columns are not suitable for a worker normally engaged upon heavy work, for example, although they would not necessarily represent any difficulty for a clerk.

The number of forms in use must be kept small, especially those to be used by busy operating staff. Any reduction, however, should not be made to such an extent that consolidating forms becomes too complicated to be practicable. Bearing in mind the high cost of forms specially printed in comparatively small numbers, their use can be expensive if only a minor section is completed on any one occasion.

Forms for internal use need have only the minimum of identification of the company as this must be self-evident to those concerned. What is important is to ensure that a simple reference number is given to facilitate reordering of stationery. Data distinguishing one similar form from another, such as fleet numbers, should appear at the top right corner.

Necessary Compromise

In my article in the October 16, 1959, issue of The Commercial Motor, I recommended that operating costs should be recorded on individual vehicle sheets. However, many operators often need to record traffic movements on a fleet basis. Whereas with large goods or passenger fleets it is convenient to segregate engineering and traffic records at an early stage, some amalgamation and compromise in this respect has to be made when small numbers of vehicles are employed.

Whatever the size of the fleet or the kind of work upon which it is engaged, engineering records can be standardized to a large This does not, however, necessarily apply to traffic returns. These must be drawn up to suit individual users. The example I am going to describe can be treated merely as a broad indication.

Successful recording basically depends upon simplicity of procedure, coupled with regularity of compilation. What may be a comparatively routine daily duty becomes almost unmanageable if arrears are allowed to accumulate. Moreover, queries which could be answered comparatively quickly when recording is done concurrently with completion of duties may take a disproportionate amount of time later.

Most recording systems for goods-vehicle operation stem from the driver's daily log sheet. Many users find it convenient to include on that document particulars of journeys

(Continued on page 29)

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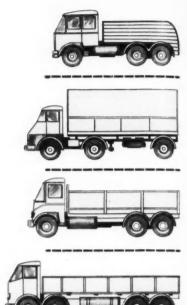
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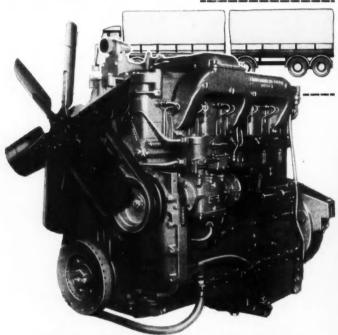
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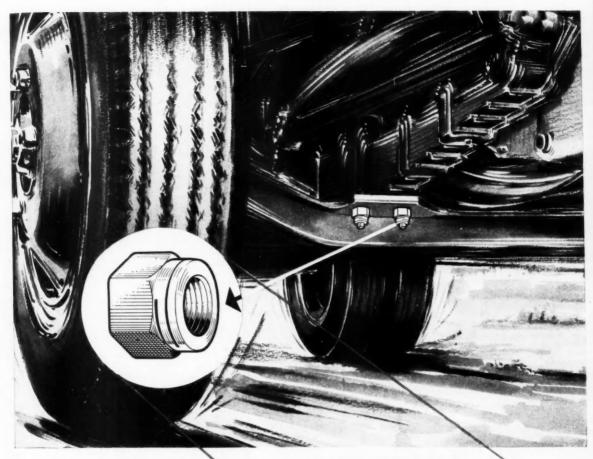
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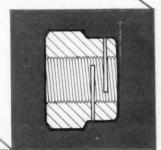
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and goods carried, and details of mileage and fuel consumption, in addition to the information required by law. When all vehicles return to base at night, a daily summary sheet for the fleet may be kept, but when vehicles are away from base for some nights during the week, a weekly sheet is more convenient.

I suggested earlier that a reduction in the number of forms in use is to be recommended, provided that it is not carried too far. A case in point is where a weekly time sheet can be combined with the weekly record of work. Two forms may not be returned at once. A driver would probably he more prompt with his time sheet than his work record, but if the two were combined as one it would be in his own interests to fill it up completely and put it in as quickly as if it were a time sheet only.

The combined form could be designed so that the time section could be cut off and passed to the wages department for their attention. Many operators who use a daily work sheet may prefer to have a weekly summary as well. In such a case the daily and weekly forms should correspond so far as possible. The heading of the weekly summary should simply be the vehicle's fleet number (if this is employed) or the registration number, and the date.

Two Headings

If it is intended to separate the time section, this could be arranged on the right and have its own heading for the driver's name and check number and the date. The main section of the summary should be divided under two headings—"Journey" and "Fuel." Assuming that the operator's working week runs from Sunday to Saturday inclusive, the days of the week will be put down vertically in a column on the left. Enough space should be left beneath each day for the driver to insert the date.

The second and third columns are for recording starting and finishing points. The next column will be the largest and take the heading "Details of Collections and/or Deliveries."
The next major column is "Tonnage Delivered," and is subdivided to permit the separate recording of groups of products as appropriate to the operator's traffic.

This is significant, for many transport departments find it convenient to charge other sections of their organizations in bulk for traffic shifted rather than according to combinations of mileage and tonnage for individual journeys. It may be that higher delivery costs are involved with certain products than others, either because of loading difficulties or because long mileages are involved. Proper recording enables the amount of such traffic to be reckoned so that appropriate internal charges can be made.

The last column in the "Journey" section is for daily mileages. To avoid duplication of entries for tonnage carried. it must be decided whether these are to be made at the time of collection or delivery. No difficulty is likely to arise when journeys are completed in a day, but confusion can occur when long trips are involved, with collections being made one day and deliveries the next. This is even more so when a load remains on a lorry over a week-end. In most cases, delivery means the finish of a job, and for this reason tonnage is nearly always recorded on delivery.

Daily Intake

The "Fuel" section has four columns. The first two are for the daily intake of fuel and lubricating oil. The actual gallonage to put down is the amount put into the tank rather than an estimate of consumption for the day. The third and fourth columns are provided for vehicles taking on fuel from other depots or outside agencies. The name of the suppliers, and the advice or invoice number, should be quoted.

Mileometer readings for the start and end of the week are recorded at the bottom of the summary. These may be checked against the totals of daily entries. Weekly totals of tonnage, fuel and lubricating oil are similarly entered.

Although log sheets with details of drivers' hours of work and rest periods must be kept, many operators find it convenient for their drivers to complete a time sheet also, as it is more suitable for the compiling of wages. Most time sheets have spaces for basic entries such as for total hours worked each day, and overtime, but provision for additional data depends upon the kind of work which drivers do. Where appropriate, columns should be allowed for the recording of meal and subsistence allowances, and other sundry expenses.

The weekly summary of hours worked would be analysed between time worked at the standard rate up to 44 hours, and any subsequent overtime at time-and-a-quarter, time-and-a-half, or double time. This simplifies the calculation of pay.

Portable Discharger for **Bulky Loads**

ORIGINALLY designed to assist the discharge of bulk powders and similar materials from Pressflo rail tankers. a portable blowing outfit manufactured by Thomson and Taylor (Brooklands), Ltd., Byfleet, Surrey, can equally usefully be applied to road vehicles which have no built-in blowing equipment, and cannot discharge into raised silos.

Two specifications are available, although the layout of the plant is similar in both cases. The smaller unit is powered by an Armstrong Siddeley aircooled oil engine developing 20 b.h.p. at 1,500 r.p.m. This is a twin-cylindered unit of 1.976

litres driving a Wellworthy Ricardo positive-displacement blower through a Twiflex automatic clutch coupling, set to take up the blower drive at 500-550 r.p.m.

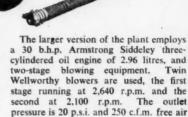
The blower incorporates a 2:1 step-up gear drive on the driving end. Air is delivered to a receiving tank with a spring relief valve operating above 10 p.s.i. The air outlet connection is a $2\frac{1}{2}$ -in. Albany adapter. The delivery rate is 285 c.f.m.

Engine and blower assemblies are mounted on a channel-iron frame,

Equally applicable to road vehicles, this unit has been built for British Railways to empty Pressflo rail tankers. The makers are Thomson and Taylor (Brooklands), Ltd.

> supported at the rear on pneumatic-tyred wheels and at the front by a single swivelling wheel castor with a solidrubber tyre. A hinged towing bar is provided and the brakes on the rear wheels are controlled by a lever at the front.

> Weatherproofing is furnished by a steel canopy which provides storage for up to three lengths of 21-in.-diameter five-ply externally armoured hose, tool kit and starting handle.





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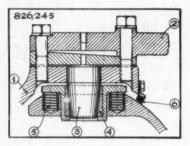
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Self-adjusting King Pins

STUB axle pivot assembly in which A STUB axie pivot assembly in which we are is automatically taken up as it occurs is shown in patent No. 826,245. (Regie Nationale des Usines Renault, 8/10 Avenue Emile Zola, Billancourt, Seine, France.)



Instead of a single king pin, a pair of coaxial pivots is used, the upper one being shown in the drawing. The stubaxle support (1) with its track arm (2) carries a tapered pivot pin (3). The axle assembly carries a corresponding tapered bush (4) to receive the pivot.

The bush is located in a separate housing which is free to slide in the axle assembly and is forced upward by springs (5). Thus any pivot wear is corrected by upward movement of the bush.

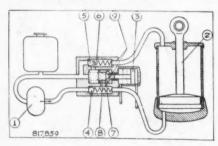
A second feature of the patent is the provision of a small friction shoe (6) which rubs on the axle assembly and damps out any oscillations.

TIPPING CONTROL

CONTROL valve for hydraulic A tipping gear is described in patent No. 817,859. The valve is controlled by compressed air and will stop and hold the body in any position by forming a hydraulic lock. (Tatra Narodni Podnik, Koprivnice, Czechoslovakia.)

The layout is shown diagrammatically in the drawing. An oil pump (1) provides the pressure for the ram (2) which lifts the body. The central control valve is actuated by a small air servo (3).

The position shown is that for raising the ram. Oil from the pump unseats a ball-valve (4) and passes to the underside of the ram piston. Oil ejected from the upper cylinder space cannot pass the



other ball-valve (5) but is diverted through a port (6) which has been uncovered by the sliding valve (7).

To hold the ram in any position, the

oil pump is stopped. cannot then return on the pressure side because of the lower ball-valve, and the ram can be held in this position for as long as required.

To lower the ram, the airoperated valve is moved to the left allowing the oil under the ram piston to by-pass the ballvalve. It does this through the ports (8 and 9) and reaches the space above the piston through the upper ball-valve.

OIL-COOLED PISTONS

OIL-COOLED pistons are usually provided with an integral trough beneath the crown into which oil is delivered.

Patent No. 825,406 shows a design in which the oil tray is detachable and can be fitted or not, according to the rating of the engine. (Specialloid, Ltd., Black Bull Street, Leeds, 10.)

A section of a piston embodying the invention is shown in the drawing. The tray (1) is rectangular and is attached to the top of the connecting rod by a screw (2). The

screw is drilled and functions also as a multi-jet nozzle for the oil which comes from the pressure-fed gudgeon pin. locating pin (not shown) prevents the tray from turning.

825,406

The oil jets are sprayed over the underside of the piston crown, some of the oil dropping back into the tray. From there it is thrown against the underside of the crown by the reciprocating forces. References are made to earlier patents numbered 617,224 and 724,354.

INJECTION PUMP CONTROL

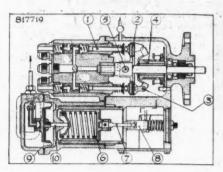
PETROL-INJECTION pump is the subject of patent No. 817,719. The pump incorporates a control member which regulates the output automatically and is controlled by manifold pressure and other variables. (Bendix Aviation Corp., South Bend, Indiana, U.S.A.)

Referring to the drawing, the pump plungers (1) are spaced around a circle and reciprocated by a swashplate (2). The stroke of the plungers, and therefore the output of the pump, can be varied by altering the angularity of the swashplate. This occurs when a link (3) is raised or lowered by a sliding collar (4) to rock the swashplate about its pivot pin (5).

Beneath the plungers is the unit which alters the position of the collar. It consists of a piston (6) subjected to manifold depression. The piston-rod carries a

flat cam (shown edge-on at 7) which works a rocker (8) coupled to the sliding collar.

The back of the flat cam abuts on a



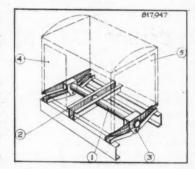
temperature-responsive unit so that its actual position is dependent upon both manifold pressure and temperature. A third variant is that of atmospheric pressure: this acts on a diaphragm (9) and its effect is to vary the force of the

> piston return spring by altering its abutment point with the sliding rod (10). The contour of the flat cam can be made to suit the characteristics of any engine.

BODY SUSPENSION

PATENT No. 817,947 describes a bodywork underframe which insulates the body from torsional stress arising from chassis-frame dis-

It is primarily intended for tortion. use on cross-country vehicles in which application it could reduce weight by enabling a lighter body to be used. (Daimler-Benz A.G., Stuttgart-Untertürkheim, Germany.)



The body is mounted on a longitudinal tube (1) which is fixed to the chassis by a central cross-girder (2). The tube is carried at its ends on chassis-mounted cross-members through pivot joints as shown at 3.

Twisting of the chassis is not transmitted to the body because of these mountings, making it possible to provide a side door (4) and a large rear door (5) in a light body structure. A second scheme shows a pair of long girders replacing the central tube, but the action is the same.

In another design described the longitudinal member beneath the body is replaced by a tubular tank situated inside the main body structure.

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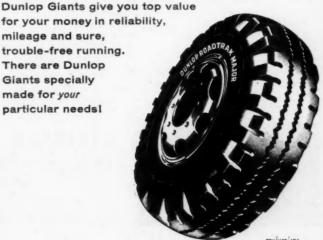
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220 KING STREET, HAMMERSMITH, LONDON, W.6.

PHONE, RIVERSIDE 4111.

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> HUNTER VEHICLES. LTD., 290 SOUTHBURY ROAD, ENFIELD. Phone, Howard 4184.

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1950 P6 engine, 9,00 by 20 tyres, fair condition, choice of two, £130 each.

R SHAW AND SONS, 322 Springburn Rd., Glasgow, R42-280.

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A. 7211-9.

Macaulay 842-455 A. 7211-9. 1956 B.M.C 7-tonner, diesel, £575.

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1947 DENNIS (Jubilant) 10-12-ton diesel, 6-ylinder engine, 6-wheeler, 24-tt. platform hody, linder tive axie. 250d runner, very tidy condition, 2375, Church Read Motors, Hadleigh, Essex, 57271. 845-8285

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1955 DODGE 4-cylinder diesel 3-ton long-wheelbase drop-side trucks, two at £510 the pair. Phone, Uxbridge 3444 (four lines).

Feb. 5, 1960—THE COMMERCIAL MOTOR 59 (Supplement)

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WANTED, DODGE P6 articulated B.T.C. coupling.
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1951 October, E.R.F., 8-wheel double-drive, 24-ft. drop-side lorry, Gardner 6LW engine, ready to drive 2A-TON. TITLE THE ACCOUNT OF THE ACCOU

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1951 FODEN 74-ton 18-ft. flat, Gardner 4LW engire, ready to drive away, £500 or terms arranged. HENRY EATON, LID., 107 Palmerston St., Ancoato. Marchester. Fhone, Ardwick 3146. S42-213. 1950 body, 6LW engine, in very good running well maintained by very large concern, any trial, £700. Terms and exchanges; other good Fodens in stock. RUSH GREEN MOTORS, Langley, Hitchin, Herte. Stevenage 174. 842-331. Sieven green MOIORs, Stevense 174, Stevense 174, Sevense 174, Sevense

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GORDON KING MOTORS, LTD. FORD AND THAMES DEALERS.

TRADER 4D diesel 4-ton chassis, fitted with 1.250-cuft, low-loading Luton body, new and unregistered, exworks, for early delivery, £1.170.

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HIRE-PURCHASE deposit now from 10%.

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GREAT CAMBRIDGE ROAD, ENFIELD, MIDDLESEX. FORD MAIN DEALERS. Phone. Enfield 3456.

1959 Trader articulated, blue-black, S.A.E. coupling, 12-ton K/O 12-ft. well, Crane trailer, 5,000

1955 2-ton FORD Thames 4D, new liners, pistons and rings fitted to engine, excellent running order, £385.

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HAMES Lutton 4D June, 1955, maroon and cream, All Conditions, 1955, grey, 1,300-cu.-tt. capacity, £450. HAMES Trader 1958 6-cu.-yd. 6D Edbro tipper, £800.

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VY on-Sea. Phone 43344, 1057 5-cst. Thames van, in good condition, £290. COMBS COMMERCIAL (GUILDFORD), LTD., Portsmouth Rd., Guildford, Surrey. Phone, Guildford, Surrey.

1958 7-ton Trader, drop-side, £750. HUDSON. Bawtry 362.

1959 FORD Trader 7-ton long-wheelbase drop-side trucks, 14,000 miles only, 8.25 by 20 tyres, choice of two, immaculate condition, 8895 each, CC (COMMERCIALS), LTD., 2 Addington Rd., 242-283

July, Trader 5-ton 152-ir., wheelbase 6-cylinder tors, 8,509 July, Trader 5-ton 152-ir. wheelbase 6-cylinder tors, 8,509 diesel chassis-cab, heater and flashing indicators, and the state of the state

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THAMES 4D 4-ton long-wheelbase drop-side.

A GRAY AND CO, LTD, 7 and 8 Woodbridge Rd.,

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BROWN for the full THAMES range, 5 cwt.
V. J. BROWN for the full THAMES range, 5 cwt.
Finchley Rd., Hampstead 2284, 10 w mileage, El89

FORDSON pick-up truck, low mileage, El89

Waterloo 478. Sands, 40 Carlisle Lane, Londay with walk-in tailboard, three meat rails and sheep rail, spare wheel unused, condition as new, one owner, 24,1750.

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WANTED. 1959 Thames Trader 7-ton under-ram
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WANTED, FORD 4D vans and Perkins, all capacities.
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THE GREATEST BARGAINS.

1956 GUY Invincible 8-wheeler double-drive plat-form vehicle, Meadows engine.

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1955 LEYLAND Comet 90, long-wheelbase truck,
18-ft, drop-sided body, in excellent order, £650.
Terms and exchanges.

A LSO other good LEYLANDS in stock.

RUSH GREEN MOTORS, Langley, Hitchin, Herts Stevenage 174. Comet tractor unit, Mode N Stevenage 174.

1957 Forward-control Comet tractor unit.
ECOS 2/7R with 14-ton York 25-ft.
trailer, vacuum brakes, fifth-wheel couplings, ch

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THREE MACK 6 x 6 truck and large quantity of new spares, trucks just fitted with 15-ton tippers and bodies, and have not been used since, tyres are mostly new, would make excellent snow ploughs. Phone. Ardrossan, Saltecate 235.

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MORRIS AND MORRIS-COMMERCIAL EX-W.D. 4 x 4 tractors with winch, from £100 cundey and Stewart, Ltd., Alfreton, Derbyshire

1952 MORRIS 5-ton diesel fitted 14-ft. long wheel base tipper, body in good condition, £225. Colmore Depot. Ltd., The Tything, Worcester. Phone, Worcester B.M.C. diesel 7-tonner, fitted with 18-ft. M. allow flat platform and livestock container, by Holmes (Preston), Ltd., finished in dark Brunswick green, container in bullock maroon and off white. This vehicle was built for show demonstration and is now available for immediate sale. New and unregistered. Demonstrations can be arranged, distance being no object. Colmore Depot, Ltd., The Tything, Worcester. Phone, Worcester 24451.

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QUEEN'S ROAD, WEYBRIDGE. Weybridge 2233.

1955 MORRIS 13-cwt, van, £225.

1951 MORRIS 5-ton diesel, forward control. 17-ft.
HENRY EATON. LTD.. 107 Palmerston St., Ancoats.
Manchester. Phone. Ardwick 3146.
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DEALERS. RELIABLE used vehicles in stock.

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7-ton MORRIS diesel drop-side tipper, flitted power steering, tyres 9,00 by 20 all round bolater and headboard, automatic chassis lubrication, 4,000 miles only, £1,250. Box CM4211, care of "The Commercial Motor."

1955 MORRIS Ton van. In good condition, £275.

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MORRIS J2 15-cwt., very low mileage, with passenger seats and absolutely as new. Cavendish Motors.

Cavendish Rd., N.W.6. Willesden 0046-8.

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1950 SCAMMELL 25-ton articulated low-loader, order, fitted with branch-new latest-type cab and wings, browned with branch-new latest-type cab and wings, browned and wings, browned and wings, browned with branch-new latest-type cab and wings, browned with the work of the winds o

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SEDDON

HUNTER VEHICLES, LTD., 290 SOUTHBURY ROAD,

ENFIELD.

Phone, Howard 4184.

1954 SEDDON 6-7-ton P6 boxvan, 775 c.c., one
PRE-PURCHASE terms arranged.

1954 SEDDON Mk. 5R twin-ram tipper, alloy body, yd. body, weight 3 tons 19 cwt., £600. Cottee and £dwards, Ltd., Nottingham. Phone 46674. 82-112 EDDON 1952 7-tonner diesel 20-ft. drop-side, alloy £DDON 1951 7-tonner diesel 20-ft. drop-side, alloy £DDON 1951 7-tonner diesel 17-ft. 6-in. drop-side.

SEDDON 1953 7-tonner diesel 17-ft. 6-in. flat, one owner-driver.

ANY reasonable offer accepted for the above vehicles. YLAND GARAGE, LTD., Ryland St., Birmingham, 105. Edgbaston 4501-5. Birmingham, 422-492. EDDON, dismantling all models. Langley Mill 2625, 242-516. Representations of the commercial Vehicles, Langley Mill 2625, 842-516.

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1951 Light 6-wheeler, fitted with 19-ft, alloy tipping box and differential, engine recently overhauled, very goo 1954 4-wheeler, fitted with 18-ft, wooden drop-side body, 4-cylinder D.l. engine, very sound con-

MAYFAR GARAGE (TAMWORTH), LTD. Phone.
Tamworth 1396-7. MTamworth 1396-7.

1954 SENTINEL, dismantling all models. Langley Mill 262: Mill 262:

STANDARD

1956, November, STANDARD 12-cwt. pick-up. in green, one owner, 30,000 miles, excellent condition, £250. Wray Park Garages. Reigate 2263, 842-471

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NUBIAN 4 x 4s, unregistered, M.o.S., powered by Rolls Royce, complete, as new, £125 cach, A.A.E. Engineering Co.- Finchley, N.12. Hi) 9589. 842-8220 EX-W.D. 4 by 4 trucks, good selection. Cundey and Stewart. Ltd. Alfreion, Derbyshire. 842-803 HORNYCROFT B-wheeler, 24-ft. platform of the control of the con 1956, very low mileage, one owner, a very large consent, bargain, £1,100.

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CHERTSEY. Chertsey 2391.

1943 5-ton long-wheelbase twin-ram tipper, petrol, 1943 6-140.

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1945 Por, gla0.

1945 Por, gla0.

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SEVEN SISTERS ROAD, TOTTENHAM, LONDON, N.15. Phone, Stamford Hill 8000. USED LUTONS FROM STOCK.

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1959 AUSTIN Omnivan, immaculate, in grey primer, 1958 £425.
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10.000 miles and six new 9.00 by 20 tyres fitted 10.000 miles ago, excellent condition throughout, 2865.

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YORK trailers.
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SEDDON, 1955 Special A li 5-TON MOUNT

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HYLOVEYOR powered by is hydraulically

EDFORD 19

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form bedy,
BEDFORD 19
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BEDFORD 19
drop-side be
SENTINEL,
Vertical in
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cab, over £800
months, £350.
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VAUXHALL AND BEDFORD MAIN DEALERS,

WEST END GARAGE, CHIPPING SODBURY, BRISTOL. Chipping Sodbury 2277 (four lines).

YORK trailers. Full range nearly always in stock, 20 TRADE for Gloucestershire, Wiltshire, Somerset, Devon and Conwail.

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BEDFORD 7-ton short-wheelbase U-shaped tipper, 9.00 by 20 12-ply tyres, 2-speed azie, 5-speed gearbox, air brakes, 83,202. 13,50.0 15-20-ton low-loading semi-trailer, 20 ft, in the well. S.A.E. coupling, vacuum brakes, £1.575.

VORK 12-ton low-loading trailer, S.A.E. coupling, 16 ft. in the well, air brakes, £1.100.

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> SPECIAL A LICENCE IN THE WESTERN AREA.

SEDDON, 1955, long wheelbase, platform, Western Area Special A licence, 3 tons 2 cwt.

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5-TON MOUNTED CRANE, THORNYCROFT 6 x 4 CHASSIS, £1,450.

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HYLOVEYOR, Model HL231DH, unused, 50 ft. long. powered by 6 h.p. 3-phase electric motor, this lift is hydraulically adjustable to a height of about 30 ft., 200.

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DEDFORD 1937 R6 Boys rigid 6-wheeler, 21-ft. platform body, clean conduction throughout, £1,250. Deproper 1934 7-fon long-wheelebase drop-side, R6 engine, good condition throughout, £350. Deproper 1957 7-fon long-wheelebase, Comet engine. BedFord 1957 7-fon long-wheelebase, Comet engine. GeNTINEL, 1955, fitted with Gardner 5LW engine Systemical in the cab, trailing-axis 6-wheeler, all good condition and performs well, £750. The exceptionally sood condition and performs well, £750. EYLAND Comet long-wheelbase, 1951, 18-ft. platform Lybody, normal control, good condition throughout, 500.

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TIPPERS.

A.E.C. 1956 Mammoth Major double-drive 8-wheeler, 9.6 engine, aluminium large-capacity fixed-aids (lipper, this machine is in exceptionally good condition throughout; etc. 22, 526.

A.E.C. ally good condition throughout; £1,750.

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BEFERD 1958 7-ton Cornet engine, 8-speed gearbox, 1:pper, very careful operator, £730.

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PODEN 1946 6-wheeler, 61.W Gardner, double drive, 1:pper, 1:pper, 1:pper, 6:pper, 1:pper, 1:pper, 6:pper, 1:pper, 6:pper, 6:pper

TRAILERS AND ARTICULATED.

E.R.F. 1946. 51.W Gardner, complete with new Dason trailer, S.A.E. coupling, in exceptionally good condition throughout, tractor unit is ex-well-known C-licence WSTIN 1933 P6 Loadstar tractor unit, 21-ft. Tasker MSTIN 1951 pertol Loadstar, fitted with 21-ft. Tasker LUSTIN 1951 pertol L

HARRY DANDO,

VAUXHALL AND BEDFORD MAIN DEALERS. WEST END GARAGE. CHIPPING SODBURY, BRISTOL. Chipping Sodbury 2277 (four lines).

THORNYCROFT Trident tipper, Edborough twin-ram, T-cu-vd, afeel body, £325.

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1958 LEYLAND Comets, medium wheelbase, 14-ft. alloy fixed side and 14-ft. timber drop-side 1958 LEYLAND Comets, medium wheelbase, 14-ft. budies, choice of several.
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1955 LEYLAND Comet medium wheelbase, 14-ft. by 1955 LEYLAND Comet medium wheelbase, 16-ft. by 3-ft. o-in. timber drop side.
1955 LEYLAND Comet, medium wheelbase, 16-ft. by 3-ft. 6-in. timber drop side.
1956 PORD Trader 7-ton 60-short wheelbase, 6-cu.-yd. steel fixed-side body.
1958 BEFFORD 7-ton diesel, short-wheelbase, 11-ft. by 3-ft. steel fixed-side side, rebuilt engine.
1958 BEFFORD 7-ton diesel, short-wheelbase, 11-ft. by 4-ft. steel fixed side, rebuilt engine.
1958 BEFFORD 7-ton petrol, 6-cu.-yd. timber fixed side.
1958 MORRIS 5-ton diesel, 5-cu.-yd. timber fixed side.
1951 MORRIS 5-ton diesel, 5-cu.-yd. timber drop side.
1953 MORRIS 5-ton diesel, 5-cu.-yd. timber drop side.

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ALBION Chieftain, short wheelbase, 10-ft. 6-in.
alloy fixed-side body.
(Registered) LEYLAND Hippo, 16-ft. 6-in.
steel fixed-side body.
LEYLAND Hippo, 16-ft. 6-in. timber drop-side 948

1948 ber Land Impact of the Market State of th de, one fixed sides. Comet short-wheelbase tipper, 15-ft. 16-in. timber body.

15-ft. 6-in. timber body. 1955

1950 LEYLAND 75 short-wheelbase petrol timber drop-ing timber body.

1949 DODGE short-wheelbase petrol timber drop-side tipper.

1943 Dobg Tipper or timber by timber drop-tic timber drop-timber drop-timber

1957 B.M.C. diesels, medium wheelbase, 13-ft. 6-in.

PLATFORMS.

158 LEYLAND Comet, forward-control long-wheel-base chassis and cab only, choice of two.
158 LEYLAND Comet, forward-control long-wheel-base 18-ft. 4-in, timber drop side.
159 BEDFORD 7-ton long-wheelbase, Leyland engine, first, timber drop side, choice of two.
150 BEDFORD 7-ton Ro, 16-ft. timber day.

BEDFORD, G.M.C. engine, 16-ft. 3-in. timber 757 drop side.
958 SEDDON 5-ton P6, 16-ft. timber drop side.
959 ATKINSON 7-ton 17-ft. 10-in. timber flat.
957 AUSTIN 5-ton diesel, 14-ft. 3-in. timber flat.
958 AUSTIN 5-ton diesel, 14-ft. 3-in. timber flat.
958 SENTINEL 7-ton 17-ft. 9-in. timber flat. drop side. SEDDON 5-ton P6, 16-ft. timber drop side.

954 948 948 SENTINEL 7-ton 17-ft. 5-in. timber drop side. MAUDSLAY 7-ton 19-ft. timber flat. MAUDSLAY 7-ton 19-ft. timber flat.

MAUDSLAY twin steer, 20-ft. timber flat,
1957 COMMER TS3, 19-ft. timber drop side.
1941 A.E.C. 6-wheeler, 20-ft. timber

LEYLAND Comet. normal-control, me wheelbase. 16-ft. 6-in. timber flat. SEDDON 6-ton, 16-ft. 9-in. timber flat.

953 950 THORNYCROFT Sturdy, 20-ft, timber flat,
THORNYCROFT Sturdy, 20-ft, timber flat,
LEYLAND Super Comet, long-wheelbar chassis-cab.
B.M.C. 7-fon diesel, 16-ft, 8-in, timber body

BEDFORD-SCAMMELL artic, unit, P6. LEYLAND Super Comet, long-wheelbase chassis-cab. B.M.C. 7-ton diesel, 16-ft. 8-in. timber body.

DODGE 5-ton, 16-ft. double-drop-sides. 1955 VANS.

1955 BEDFORD 6-ton diesel van, 950 cu. ft.

FORD AND SLATER, LTD., LEYLAND, ALBION. GWENDOLEN ROAD, LEICESTER. 842-130 Phone 36117-9.

WESSEX MOTORS, NEW STREET, SALISBURY. Phone 3275 and 6593.

NEW vehicle in stock for immediate delivery. MORRIS B.M.C. 7-ton forward-control 160-in. long-and flashers.

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1954 AUSTIN 41-cu.-yd. 5-ton tipper. AUSTIN 5-ton long-wheelbase forward-control desel drop-side truck.

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UNBEATABLE COMMERCIAL BARGAINS FINEST SELECTION IN GREAT BRITAIN. NEW TROJAN 20-25-CWT. VANS, DROP-SIDE TRUCKS.

PERSONNEL AND P.S.V. 14-SEATER COACHES. IMMEDIATE DELIVERY OR SPECIAL BODIES
BUILT TO YOUR REQUIREMENT.

HIGHEST PRICES FOR YOUR EXCHANGES.

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1959, March, 7-ton B.M.C. 6-cylinder diesel cab and chassis, high-speed asie, 900 by 20 tyres toriginal), 20,000 miles only, as new, £950.

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1959, 7-ton BEDFORD J. 1-ppe tipper, 300 engline, 2-speed Bedford axie, five cach £950.

1959, 7-ton BEDFORD J-tope tipper, 300 engline, 2-speed Bedford axie, 8-cu-yd, body, as new, choice of four, each £950.

1958, FORD Trader 60 engine, 17-tt. new flat, 6-co-yd, 6-co

1950, side truck, immacuiate condition, diesel engine, 1956, engine, wooden drop-side body, e550, engine, engine,

1956, FORD P6 short-wheelbase wooden-bodied tipper, bargain to clear, £195.
1956, May, AUSTIN B.M.C. diesel long-wheelbase latt. £670.
1955, November, FORD 4D 30-cwt. diesel van, £275.

1955 SEDDON 3-ton boxvan, diesel engine, choice of three, each £375.
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1954 Sether, 23-ft, drop-side body, £375.
1954 Perkins diesel, 900 by 20 tyres, in first-class condition.

1934 Perkins diesel, 900 by 20 tyres, in maccioscondition, £195.
1954 (Late) BEDFORD long-wheelbase double-droptop-died with ram tipper, 900 by 20 tyres, in good
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1953 fat. bargain, 4490. Chieftain long-wheelbase fat. bargain, 4490. October, 3-ton BEDFORD with 4-cylinder perkins diesel engine, 1,000-cu-ft. Luton van. 1952 Perkins diesel engine, room choice of two, to very clean, £145.
1952 AUSTIN petrol 2-ton vans, choice of two, to 1952 AUSTIN petrol 2-ton vans, choice of two, to 1957 FORD Zephyr Mark II saloon, radio, heater, all extras, one owner, 30,000 miles from new, specimen condition, £635.

NOTE: ALL VEHICLES COMPLETELY OVERHAULED AND TURNED OUT AS NEW.

YOUR INSPECTION INVITED. LET US QUOTE A BODY (ALL TYPES) BUILT TO YOU'L OWN SPECIFICATION.

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TROJAN AGENTS RUTLAND STREET GARAGES. SWINTON. All inquiries: Phone, Swinton 2036 and 2037, GARAGE OPEN DAILY (including Sunday). WEEK-END, 10 A.M. TO 5 P.M. 842-116

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LOW-MILEAGE (EX-MINISTRY), UNREGISTERED DIAMOND T 6 x 6 wrecker, 1,500 miles, £1.250. AUSTIN Loadstar 4 x 4 chassis and cab, 2,000 mile £650.

FORDSON ET6 6 x 4 ambulance, 1,500 miles, £275. A USTIN 6 x 4 chassis and cab, choice of six, £145.

FORDSON ET6 drop-side truck, 34 by 7, choice of three, £145.

BEDFORD OL chassis and cab, choice of eight, £135. BEDFORD OY 600-gallon tanker, £125. ORDSON IA 6-wheeler chassis and cab. £110. BEDFORD OY fixed-side truck, choice of 20, £85.

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CHERRYHINTON, CAMBRIDGE.

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TD.

per, alloy body, engine, 11-cu.-0. Cottee and 574. 842-112 drop-side, alloy 6-in. flat, one

, 775 c.c., one

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ft, alloy tipping onditioned gear-suled, very good ooden drop-side

LTD. Phone. 842-191 nodels. Langley ngley Mill 2623. 842-517

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24-ft. platform unused since large concern, Hitchin, Herts.

Motors, Ltd., 847-863 models, 1955 Ltd., Hadleigh, zzz-688

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LTD.,

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ft. Luton van. on, £425. . 1,250-cu.-ft.

MERCIALS. in grey primer, form lorry, on

2-scater, £445. epainted, £260. R6 Perpetuity 20 tyres fitted ighout. £865. £350.

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OFFER FOR SALE LADBROKE HALL, BARLBY ROAD, LONDON, W.10. Lad 3232.

1955 BEDFORD 12-cwt, van with Luton-type body, 1958 AUSTIN 15-cwt. Omnivan, blue, £375.

1958 COMMER 13-ton forward-control diesel, red. E595, COMMER 6-ton truck, diesel, 1,800 miles only, unregistered, £1,025.

CANTERBURY.
THE PAVILION.
PHONE 3232.

1956 AUSTIN 1-ton (diesel) van, moderate mileage, E395, LAND ROVER, long wheelbase, hard top, many extras, 1,500 miles only, as new, £765. COMMER 7-ton long-wheelbase drop-side truck, £395. 1954 COMMER 25-cwt, van, grey, £150. 953 COMMER 25-cwt. van, £100. 954 COMMER express delivery van. grey, £185. 954 COMMER express delivery van, maroon, £175.

1946 AUSTIN 2-ton platform, green, £50.

1956 BEDFORD 10-12-cwt. van, maroon-grey, £250.

BIRMINGHAM. GREAT HAMPTON STREET. CEN 8411.

CEN 8411.

COMMER Express delivery can, black, grey.

1954 COMMER Express delivery van, blue, £185.

1955 COMMER 7-on drop-sider, 2-stroke diesel engine, £620.

1955 AUSTIN 10-cwt. pick-up, £95.

1955 AUSTIN 2-ton boxvan, diesel engine, £360.

1955 MORRIS 10-cwt. van, green, £190.

1956 BEDFORD 7-ton (diesel) drop-side truck, £495.
1956 Thames 7-cwt, van, £260.
1955, August, Thames 10-cwt, van, blue, £170.
1952 AUSTIN 3-way van, blue, £115.

ROCHESTER.

HIGH STREET.

CHATHAM 42231.

1954 COMMER diesel truck, green, recently resprayed, good running order, £299.

1955 FORD Thames van, grey, one owner, good former, good condition, £125.

1954 FORDSON 10-cwt. van, grey, one owner, good condition, £125.

1954 FORDSON 10-cwt. conversion, fawn, one wore, good condition, side windows, £209.

1954 REDPORD Utilibus, black, good condition, £180.

1955 COMMER Express delivery van conversion, fawn-blue, one owner, heater, good condition, \$125.

1957 COMMER Express delivery van, blue, one owner, very good condition, £410. MANCHESTER.

OLYMPIA. CHESTER ROAD, BLA 6677. BLA 6677.

1956, February. BEDFORD tractor S-type diesel engine, good condition, good tyres. £395.

1955, June, SCAMMELL Scarab 3-ton petrol. miles, excellent condition, C-licence user, brewery, £575.

1947, May, MAUDSLAY Mogul Mark 2, A.E.C. 77.

1956, Po engine, good tyres, good condition, £400.

1955, Po engine, good tyres, good condition, £600.

1953, July, BEDFORD 8-10-12-ton Scammell tractor, good condition, £600.

1953, July, BEDFORD 10-12-ton coachbult box-avan, good running order, £130.

1953, July, BEDFORD 10-12-ton coachbult box-avan, good running order, £130.

MAYFAIR GARAGE (TAMWORTH), L.TD., COLESHILL ROAD,

FAZELEY. NEAR TAMWORTH, STAFFS. Phone, Tamworth 1396-7.

USED VEHICLES.

AUSTIN 1954 3-ton track, fitted with B.M.C. diese engine and 12-ft, drop-side body, very good condition DEDFORD 1954 3-wheeled tipper, fitted with petro engine, normal-control cab, 12-ft. 6-in, wooden body with fixed 3-ft. 6-in, sides, tyres and general condition will fixed 3-ft. 0-ft. stores, tyres and general conditions.

BEDFORD 1956 5-ft. on long-wheelbase truck, fitted with Perkins P6 engine, wooden body, 15 ft. long with 4-ft. 6-in. fixed sides; this is a one-owner whicle and is in very good condition.

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RUFFORD MOTOR CO., LTD., OFFER FOR EARLY DELIVERY NEW E.R.F. AND DODGE TRUCKS, ALL MODELS.

ALSO:-

NEW DODGE 7-ton hydraulic tipper, Leyland engine, mmediate deliverty.

NEW DODGE Roys 18-ft. tipper, Leyland engine, mendedode receivery.

1951 FODEN 6-wheel, 20-ft. tipper.

FODEN 8-wheel, double-drop 22-ft, alloy bodied tipper.

A.E.C. 8-wheel, 20-ft, alloy bodied tipper.

1953 A.E.C. 8-wheel, hydraulic tipper, 9.6 engine, tipping trailer. Choice of two.

1952 FODEN 8-wheel double-drop 20-ft, alloy bodied tipper, latest type 2-stroke engine.

REBUILT E.R.F. 8-wheel, 24-ft, flat, very clean.

JILLING-STEVENS passenger chassis, fitted 1.500 cube furniture van body, with scating for five passengers, 55 DODGE 7-ton, 86 engine, steel bodied tipper, 95 DODGE long-wheelbase hydraulic tipper, P6 policy of DODGE 6-ton flat, P6 engine.

953 DODGE 7-ton 18-ft. drop-sided truck.

DENNIS Pax short-wheelbase hydraulic tipper, new Po engine, resprayed.

BelFORD 7-ton hydraulic tipper, 12-ft, body. Leyland engine.

Leyland engine.

Selfor Pox S-ton, A type long-wheelbase drop-956 BEDFORD 5-ton, A type ton, sided truck, BEDFORD 7-ton long-wheelbase drop-sided

955 truck, 955 BEDFORD 7-ton Boys 6-wheel extension, 20-ft. 954 BEDFORD A type, 600 cube van, petrol 956 BEDFORD long-wheelbase 7-ton hydraulic bloom of the person of the pe

tipper. IS-ft. drop-sided body, new Pr. chaine.

SEDDON iong-wheelbase 15-ft. hydraulic

sper of the present of

LL types of bodies built in wood and alloy.

HIRE-PURCHASE low deposits and part-exchanges, MILE HILL GARAGE,

CHESTERFIELD ROAD NORTH, MANSFIELD. Phone 2314-5.

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MANOR GARAGE, GREAT NORTH ROAD, SANDY, BEDFORDSHIRE. Phone 271 (two lines).

OFFER the following vehicles ex-stock:-

NEW COMMER TS3 11-ft. 9-in. steel 9-yd. tipper, 9.00 by 20, air brakes.
NEW FORD Trader 6D articulated tractor, 825 by 20, or complete with 20-ft. B.T.C. 4-in-line semi-trailer, NEW FORD Trader 6D 17-ft. drop-sider, 900 by 20.

1956 COMMER TS3, 18-ft, platform, new engine, reconditioned gearbox, £725.

DODGE Model 3146 R6 18-ft. platform, recent Mark II engine, taxed and ready for work,

1955 SEDDON Mark 7 17-ft. platform, taxed, £425.
1955 SEDDON-CARRIMORE 10-12-ton articulated outift, £3-ft. platform, £525.
LEYLAND Comet, long wheelbase, fitted body.

6650.

MANY other vehicles in stock. Let us have your inquiries.

TOP price paid for your vehicle in part-exchange.
Lowest H.P. terms.

HILLS.

ALBION diesel 6-wheel twin-ram tipper, steel body, first registered 1950, £645.

DEDFORD 5-ton long-wheelbase P6 diesel tipper, alloy body, 12 ft. 6 in. by 6 ft. 8 in. by 3-ft, 4-in. fixed sides, 8.25 by 20 12-piy tyres, first registered October, sides, 8,25 by 20 12-pty 51-8.

DEDFORD pantechnicon on pasenger chassis, petrol, approx, capacity 1,500 cu. ft., 8,25 by 20 10-pty tyres, line before the compact of the c

SEDDON diesel Mk. 15 3-ton boxvan, approx. capacity 5680 cut ft., 7.00 by 20 10-ply tyres, first registered 18.65 by 15.65 by 20 10-ply tyres, first registered 18.65 by 15.65 by 15.65

HILLS GARAGES (MANCHESTER), LTD.,

80-90 PORT STREET, MANCHESTER, 1. Central 4311, 842-485

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THE MILLBURN ORGANIZATION. PRESTON, LONGTON, LANCS, 3255-6. GLASGOW, BELL 0073. CARLISLE 25422.

COMMERCIAL AND PASSENGER VEHICLE. SPECIALISTS.

AUTHORIZED DEALERS ALBIONS, THAMES TRADERS AND

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EARLY DELIVERY ALL MODELS.

1956, October, GUY Invincible 8-wheel 21-cu.-yd. hydraulic tipper, U-shaped alloy body, good rider throughout.

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24-HOUR BRE Phon MMEDIATE

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959 REDFORD Super Vega 41-scater, like new, Es21 of extras. £3,006. Write or phone, 43 glengall Rd. Edgware. Stonegrove 7210. Med Sal-2021

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1952 BEDFORD Plaxton, 1952, 33-35-scaters, In trist-class order. Box CM421, care of "The 842-124"

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BEDFORD coach, 1952, 33-seats, Plaxton body. courier's seat, good condition, certificate of fitness 1962, £1,150 Snaith Bros., Causeway Garage, Sheriff Hill, Gateshead 9. Phone, Gateshead 77260.

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1953 GUY Arab 41-seater. Continental-type fullingene, preselector air-operated gearbox, Westinghouse air
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Duple coach, fitted radio and heaters.

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1950 LEYLAND PS2. December (original registra-tion). certificate of fitness. 35-scater Churchill, 2750 o.n.o. Drings, Oxford, Headington, Oxford. Phone 842-8230

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IMMEDIATE DELIVERY.

1959 BEDFORD SBI diesel 41-seater Duple body two recirculator heaters, red interior, cream green exterior, certificate of fitness 1966, low mileage

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BEDFORD SB1 diesel, Duple 41-scater, red
interior, glass roof, guarter lights, tubular racks,
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BEDFORD SB Burlingham 41-scater, red
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June, BEDFORD SB chassis, Duple 41-scater, red
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shortly, from £2,750.

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1961, £475.
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1954 to AlMLER A.E.C. 7.7 engine, 56-seater, good trees, critical et of fitness 31,10,61, £295.
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8 ft wide, glas
heaters, special mo
oream, red moquett
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glass roof quart
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B41-seater, glas
amplification, two
cream, many extras

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29-41-seaters.

A.E.C. with 1
41-43-seater coachy
LEYLAND Leopy
entrance 41-sea

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1948 LEYI 1949 body 1949 of fi 1950 tifica

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good tyres, above e of fitness 1962.

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DEDFORD SBI (300-cu.-in. diesel), Plaxton 41-seater glass roof quarters, tubular racks, two heaters, H.M.V rado-microphone, many other extras, red-grey moquette inished ivory.

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Al-seater, glass roof quarters, Radiomobile-speech
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BEDFORD petrol or diesel chassis mounted with coachwork by Duple, Plaxton, Harrington or Burlingham

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1953 Regal Mark IV. underfloor engine, Yeates
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1969 Regal Mark IV. underfloor engine, Yeates
1960 Regal Mark IV. underfloor engine, Burlingham
1960 Regal Mark IV. underf

39-scater, red moquette, finished ivory-black, finished red livery-black, finished red livery-black, page 1949. The second red livery-black, page 1949. The second red livery certificate of fitness 1953. The second red livery certificate of fitness 1953. The second red livery certificate of fitness 1953. The second red livery red

LEYLAND.

1951 PS2 Harrington 37-seater, half-cab, dorsal fin, repainted maroon-grey, certificate of fitness

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1959 Burlingham 41-seater, petrol engine, radio, and speakers, two heaters, many extras, finished the property of fitness 1966.

1957 Plaxton 41-seater full luxury coachwork, radio, munaculate condition throughout, finished grey and fit, certificate of fitness 1964.

1954 Plaxton 38-seater, glass roof quarters, tubular fitness 1964.

fines 1964.

1954 Duple 38-seater Super Vega, red moquette, firshed blue, certificate of fireness 1964.

1952 lift-up roof vents, repainted ivory-black, ex 1952 blue certificate of firenes 1962.

1952 blue 37-seater Vega, red moquette, finished upon the certificate of firenes 1962.

1952 blue 37-seater Vega, red moquette, finished credit of the certificate of firenes 1962.

1954 blue certificate of firenes 1962.

1955 credit 1954 blue 29-seater Vistas, finished credit of several 1947-50 Duple 29-seater Vistas, fitness.

ALSO THE FOLLOWING COACHES.

1952 SEDDON, fitted with Perkins P6 oil engine.

29-seater tull luxury coachwork by Pearson,

antilion.

1950 FODEN, mounted with Whitson 37-seater,

FODEN, mounted with Whitson 37-seater,

1950 cand cream, certificate of fitness 1960.

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LONDON: 18-27 VAUXHALL BRIDGE ROAD, VICTORIA, S.W.1. Phone, Vic 6033.

CARDIFF:

DUMBALLS ROAD, CARDIFF. Phone, Cardiff 30641. SUDBURY, SUFFOLK:

CORNARD ROAD, SUDBURY, SUFFOLK Phone, Sudbury 2301.

LEYLAND PS1 with 32-seater Windover coach body, certificate of fitness to 30,962, £300.

BEDFORD will 35-seater bus body, certificate of fitness to 20,162, £300.

BEDFORD 29-seater Duple Vista coach, certificate of fitness to 20,163, £35.

BEDFORD 29-seater Duple Vista coach, certificate of fitness to 30,962, £45.

Tificate of fitness to 30,962, £45.

Tificate to 21,961, reseated with Dunlopillo mats and recovered in leather, £225.

BRECELLY MOTORS, LTD., Clynderwen, Carms. Phone, Hebora 205.

Used Passenger Vehicles (contd.)

F.C.S., LTD. P.V.D., LTD. SUPER DOUBLE-DECKERS SUPER

NEW INTO STOCK FROM FEBRUARY 1.

A.E.C. Mark III 55-seater high-bridge double-engines, in good mechanical and body condition, certifi-cates of fitness 1962, price £475/£500.

1948 A.E.C., Metcam 56-seater high-bridge all-metal bodies, fitted late-series low-mileage 9,6/7.7 A.E.C. diesel engines, mechanically and bodily as new. certificates of fitness 1962, choice of 20, price £650/£550. certificates of fitness 1962, choice of 20, price £650/£550.

1946-48 High-bridge BRISTOL double-deckers, fitted in perfect mechanical condition, certificates of fitness 1963, recertified end of 1958, price £575/£600. Choice of four.

1948-49 LEYLAND PD2 56-seater high-bridge double-deckers. Brush all-metal bodies, fitted diesel engines, certificates of fitness 1963/62, choice of six, price £650/£750.

LEYLAND TD5, fitted 1951-53, bodies, certificates of fitness 1963/61, price £250/£275.

1957 A.E.C. 37-41-seaters, fully fronted Burlingham seating, underfloor engine, good tyres all round, certificate of fitness to 1963, price £1,500/£1,750.

seating, underfloor engine, good tyres all round, certificate of fitness to 1963, price £1,500/£1,750.

1951 LEYLAND Royal Tigers, full-fronted 37-411951 seat Burlingham Seaguil) body, self-adjustable reclining seating; underfloor engine, certificate of fitness
1950-9-49-48 A.E.C. 35-31-seater unper-luxury coaches,
1950-9-6 and 7.7 diesel units, all reseated recently, in immaculate mechanical and body condition, certificate of fitness
1951-03, choice of 35, price £425/£605 39-seater luxury
1951 a.E.C. Beadle fully fronted 39-seater fully
1951 a.E.C. Beadle fully
1951 a.E.

1948 LEYLAND PSI coaches, fitted 33-35-seater body and mechanical condition, certificates of fitness 1963, price £400/£475.

LATE MODEL LATE MODEL BRISTOL. A.E.C. 30 SERVICE SALOONS.

1948 49 A.E.C. 35-33-scater service valoons, all-metal diesel engage, 96-7.7 A.E.C. late series, low-mileage diesel engage, in super mechanical and body condition, certificate of fitness 1964-61, choice of 20, price £475/£650, 1948 49 BRISTOL 34-38-scater service salrooms with a service salroom with a service salroom with the service salroom wi

SPARES.

£20,000 Of brand-new and used spares of all 8.6 and 7.4, etc.; transmission units, differentials, etc., at lowest prices. Inspect our new walk-round spares stores. See under Engine Section.

GENEROUS PART-EXCHANGE ALLOWANCES.

THREE MONTHS' GUARANTEE.
FREE SPARES.

SPECIAL H.P. FACILITIES.

THESE are only a few of well over 200 passenger vehicles of most well-known makes and scatting capacities which are available for immediate inspection and trial.

P.V.D., LTD. WORKS, F.C.S., LTD. LONDON ROAD,

DUNCHURCH. NEAR RUGBY.

Phone, Dunchurch 262 and 265.

On the A45.

LANCASHIRE MOTOR TRADERS, LTD.,

OLYMPIA GARAGE, LIVERPOOL STREET, SALFORD. 5. EVENINGS, OLDHAM MAIN 2461.

NEW BEDFORDS, diesel, Plaxton and Duple bodywork delivery for Easter and Whit week.

SECOND-HAND COACHES NOW IN STOCK 1956 LEYLAND Tiger Cubs, Burlingham and Alex-ander coachwork, all fitted with new engines,

1930 ander coachwork, all filted with flow choice of three, all new type.
1956 57-58 BEDFORD petrol 41-seater Duple, and tition; choice of six.
1955 BEDFORD petrol 38-seater Duple and Yeates, red interior; choice of two.
1953 ted interior; choice of two.
1953 tition interior, cream and red exterior, in perfect

condition, £1.650.

1953 A.E.C. 9.6, 41-seater Harrington coachwork red interior, grey and blue exterior, radio and

1952 BEDFORD Duple Super Vega 35-scater, cream
We also have a good selection of second-hand halfcabe and full-front diesel coaches. All current certificates of fitness. Prices from £80 to £350. 842-521

Feb. 5, 1960-THE COMMERCIAL MOTOR 73 (Supplement)

Used Passenger Vehicles (contd.)

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177-205 FINNIESTON STREET, GLASGOW, C.3.

CONSULT BRITAIN'S LARGEST BEDFORD COACH SPECIALISTS FOR YOUR NEW VEHICLE REQUIREMENTS.

WE CAN OFFER FROM STOCK FOR IMMEDIATE DELIVERY:—

ONE NEW BEDFORD DUPLE 41-SEATER, PETROL. ALSO A LIMITED NUMBER OF BEDFORD BURLINGHAM 41-SEATERS FOR MARCH DELIVERY. WE ALSO HAVE A COMPREHENSIVE STOCK OF FIRST-CLASS USED COACHES AT REASONABLE PRICES AND EXAMPLES OF OUR STOCK INCLUDE:—

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1958 BEDFORD Duple 41-scater full luxury coaches; choice of two as new machines.

1957 BEDFORD Plaxton 41-scater full luxury coaches, petrol; choice of two absolutely spotless machines at reasonable price.

reasonable price.

1957 BEDFORD Duple 41-seater full luxury coach, petrol, exterior cream and red, splendid vehicle.

1957 BEDFORD Burlingham 41-seater coaches; choice of two very attractive machines at reasonable prices.

1953 BEDFORD Duple 35-seater full luxury coach, is red and cream, very attractive michine criticate of fitness. 1955 BEDFORD Duple 36-seater coach, petrol, certificate of fitness 1964, finished in cream and red, extras include radio and heaters, seats trimmed in very attractive patterned moquette.

1954 BEDFORD Burlingham petrol-engined 36-seater full luxury coach, in black and cream, brown floral patterned moquette, certificate of fitness March, 1963. 1952 BEDFORD Duple and Plaxton 33-seater coaches:

1950 BEDFORD Duple 39-seater Vista coach, exterior in cream with red patterned moquette, outstanding example of this very popular model.

A.E.C.

1951 A.E.C. Burlingham 41-seater full luxury coach, body new in 1955, exterior ivory, tip-top machine at reasonable price.

1953 A.E.C. Whitson 41-seed exterior in black, complete at of fitness October, 1953 A.E.C. Whitson 41-seed exterior in black, complete which is the seed of the se

LEYLAND.

1950 LEYLAND PSI Plaxion 35-seater coach, exterior black, seating in blue moquette, reasonable price.

1957 LEYLAND PSI Duple 33-seater coach with full-front conversion, exterior cream with fawn patterned moquette, very fresh coach.

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TWO Maudslay coaches, 33-seater, A.E.C. diesel, 1947; one Leyland coach, 33-seater, diesel, 1947, these are at £100 per coach. Phone, Tul 3600.

KIRKBY AND SONS (SALES), LTD.

CROSS ROADS GARAGE, ANSTON, NR. SHEFFIELD.

ANY MAKE OF NEW VEHICLE SUPPLIED.

NEW VEHICLE SUPPLIED.

1958 BEDFORD 41-seater Duple Super Vega, immaculate condition throughout, choice of several petrol or diesel, from £3,000.

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1956 BEDFORD 41-seater Plaston, fitted out for continental work and in showroom condition, with many extras, £2,600.

1958 Several BEDFORD, 38-seater Duple Super Vega, sondition, from £1,300.

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TERMS AND EXCHANGES.

PHONE, DINNINGTON 541 (FOUR LINES) BY DAY. NIGHT PHONES, KIVETON 220, MANSFIELD 5395, DINNINGTON 577.

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34 CLEVELAND ROAD, WOLVERHAMPTON

Passenger Transport Specialists.

BEDFORD, COMMER OR FORD CHASSIS LABLE, BODIED BY BURLINGHAM OR DUPLE TO YOUR INSTRUCTIONS.

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1959 BEDFORD diesel 41-senter Burlingham coaches, as new, £3,350.

1958 BEDFORD period 41-seater Duple S.V. coaches, air brakes, £3,250.

1958 BEDFORD period 41-seater Duple coach, BEDFORD period 41-seater Yeates Rivers Coach, certificate of fitness 1961, £2,600.

1955 Elizabethan coach, new engine fitted, £2,600.

1964 £1,550s, driver-operated door, certificate of fitness

1934 bus, driver-operated door, certificate of fitness
1954 A.E.C. Reliance 41-state Rurlimban Scagall
1954 A.E.C. Reliance 41-state Rurlimban Scagall
1954 Cockets, frow engines executly fitted, ex our
1954 GUY Arab lightweight, 6HLW underfloor
1955 A.E.C. Mk. IV 41-state Hamman Scagall coaches,
1955 A.E.C. Mk. IV 41-state Hamman Goaght of the fitted of the fitted

1963 Comm.
1964 Sept. AND PSI 33-seater Harrington dorsal fin
1950 Edy, certificate of fitness June, 1960, £650.
1950 coach, new Mk. II engine fitted, certificate of 1950 coach, new Mk. II engine titled, certificate or 1950 DENNIS 6-cylinder diesel 35-seater, Whitson 2000 Coach, certified 1960, £500. 1949 MAUDSLAY 7.7 33-seater Duple coach, certified 1962, £500.

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DIESEL 33-SEATER HALF-CAB AND 29-SEATER PETROL COACHES AT £150-£400, OR AVAILABLE FOR

HIRE

FOR SHORT OR LONG PERIODS. PHONE, WOLVERHAMPTON 23212. NIGHTS AND WEEK-ENDS, 32347 AND 22293.

DON EVERALL, LTD.

THE MILLBURN ORGANIZATION. PASSENGER AND COMMERCIAL VEHICLE SALES SPECIALISTS.

OFFER FOR IMMEDIATE AND EARLY DELIVERY:-

NEW LEYLAND Tiger Cub, 41-seater Duple super luxury coachwork.

NEW Thames Trader 6D, 41-seater Duple Harrington and Plaxton luxury saloon.

PLACE your order with us now for spring delivery.

GOOD allowance on part-exchanges. Write, phone or

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1957 ALBION Aberdonian, Plaxton 41 super luxury coachwork, certificate of fitness 1964.

1956 BEDFORD Berlingham 36-seater, certificate of fitness May, 1961.

1954 LEYLAND Tiger Cub, Alexander 41-scater de luxe saloon, certificate of fitness. 1953 BEDFORD Duple 37-seater, de luxe coach-work, certificate of fitness December, 1961.

ABOVE COACHES ARE ALL 8-FT. WIDE. 1959 BEDFORD 15-cwt. chassis, fitted Martin Walter 11-seater P.S.V. body, certificate of

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BEDFORD Plaxion 33-scater, full LEVIAND PS2 Burlingham 33-scater, full front, no bulkhead, has 600 engine, certificate 106d.

Burlingham 33-scater, 7.4

of finess 1964.

1950 LEYLAND PS1 Burlingham 33-scater, 7.4

1950 engine, certificate of fitness 1964.

1964 work, certificate of fitness 1964.

Number of 1947-48-94 EVYLAND PS1 33- and 35scater buses and coaches, certificates of fitness 1964.

1964 EVYLAND PD1 Burlingham full-front doubledeck buses, enclosed stairway, very fine

1947-48 LEYLAND PD1 with Leyland, Eastern counties and M.C.W. all-metal bodies, a big

ALL SPARES.

DAIMLER, DENNIS, GUY, LEYLAND TD1, 5 AND 6 MODELS. 842-51

Used Passenger Vehicles (contd.)

BARNARD AND BARNARD, LTD.,

PASSENGER FORD COACH DEALERS.

PASSENGER FORD COACH DEALERS.

New Thames Yeoman 41-seater Duple, immediate delivery.

New Thanes Consort IV 41-seater Plastons; immediate delivery.

New Thanes Consort IV 41-seater Plastons; immediate dealers and the seater of the seater of the seater and the seater of the seater and the seater seater of the seater seater

1933 roof lights, tubular racas, and heater, certified.
1954 A.E.C. Reliance, 41-seater full luxury Duple the heater, speech amplification, in excellent condition throughout, certified 1964; choice of excellent condition

1954 BEDFORD Vega 38-seater, full-luxury Duple body, fitted with heaters, certified 1964; choice

1953 BEDFORD Plaxton 37-scater, full-luxury body fitted with heater and radio, Perspex quarters tubular racks, in good, clean condition throughout

1953 BEDFORD Seagull 36-seater, full-luxury Burlingham body, fitted with heater, roof

lands, certified 1963. Quality of the determinant of the condition throughout, certified 1963. Quality of the determinant of the condition throughout, certified 1962. LEYLAND Royal Tiger, fitted air brakes, 50-60 condition throughout, certified 1962. LEYLAND Royal Tiger, fitted air brakes, 50-60 condition throughout, certified 1962. Quality of the condition throughout, certified 1962. The condition throughout, certified 1962. The certified 1963 on the certified 1964 on the certified 1964 on the certified 1965 on the certified 1965 on the certified 1965 on the certified 1965 of the certified 1966; choice of two.

1950: choice of two.
Several coaches suitable for workmen and mobile shops at very reasonable prices.

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YOUR FORD DEALER PHONE, SYDENHAM 2224-5-6.

310-326 SYDENHAM ROAD, LONDON, S.E.26. AFTER HOURS, BIGGIN HILL 330. 842-352

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THE GARAGE.
ELM GROVE, CROSS STREET, SALE, CHESHIRE FOR EARLY RELEASE, SUPER FULL-FRONTED 53-SEAT LOW-BRIDGE DOUBLE-DECK COACHES, 8 FT. WIDE, ENCLOSED REAR PLATFORMS, IDEAL FOR EXPRESS AND LONG-DISTANCE TRAVEL, 1948-49 LEVLAND PDI, 7-4-LITRE ENGINE. BURLINGHAM COACHWORK.

COMFORTABLE scating in red figured moquette, capacious luggage rack on lower deck, good enclosed loading platform, wide stairways, good heating system. Perspex roof lights, exterior colours red, current certificates of filness.

SEVERAL of these vehicles will be available in the

at our premises.

1949 FODEN, 6LW Gardner, full-fronted Plaxton moquette, exterior colours cream with red wings, this coach is in very files worder to the coach is in very files worder to the coach is in very files worder to the coach is the very files with the coach is the very files of the very files of

price £425.

O LEYLAND TD5, 8.6-litre oil engines, low-brid double-deck, 33 seats, of smart appearance, 19 bodies by Eastern Coachworks, scutting red moquette condition, having been well maintained by a large corpany; these vehicles are now due for release during to next few weeks, a representative vehicle now availat for your inspection, price £195 each.

1948 ALBION, 6-cylinder oil engines, low-bridge clean condition, colour red and cream, certified late choice of three, price £275 each.

choice of three, price £275 each. Jettine dist is 18 LEYLAND PS1 powered 7.4-litre oil engagement of the second power of the s

SPARES. See our advertisements in Spare Parts and Supplies.

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W. HAROLD PERRY. LTD.,

STATION BRIDGE, WEALDSTONE, MIDDLESEX. 1952 A.E.C. Burlingham Seagull 39-scater coach, certificate of fitness 1963, £2,500.

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OPEN UNTIL 7 P.M. MONDAYS TO FRIDAYS
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842-316

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LODGE GARAGE, WHITEHALL ROAD, GOMERSAL, NEAR LEEDS. Phone, Dudley Hill 1144 (six lines).

BRITAIN'S LARGEST SELECTION OF FIRST-CLASS LUXURY COACHES OFFERED AT REDUCED PRICES

IMMEDIATE DELIVERY OF:-

NEW FORD Thames Trader Duple 41-scater, TEW FORD Thames Trader Harrington Crus 41-seater. TEW FORD Thames Trader Burlingham 41-seater, FORD Thames Trader Harrington Crusader EW BEDFORD SB1 Duple 41-scater.

NEW A.E.C. Reliance with Duple and Plaxton bodies for delivery Easter.

USED FULL FRONTS.

959 BEDFORD diesel, 41-seater Burlinghams, choice of three for delivery in February.
959 FORD Trader diesel with 41-seater Plaxton body, Eaton 2-speed axle, many extras, only

10.000 miles.

1958 BEDFORD diesel with 41-seater Duple body.

1958 BEDFORD oilers with 41-seater Plaxton bodies.

1958 BEDFORD oilers with 41-seater Plaxton bodies.

1956 BEDFORD perrol 41-seaters, with Duple.

1956 Plaxton and Burlingham bodies, from £2,250 cach, choice of two.

1955 Catcs of litness to 1965, choice of two, delivery early February of litness to 1965, choice of two, delivery

1952 cates of litness to 1965, choice of two, delivery septial of the state of the

PLEASE APPLY FOR DETAILED LIST. SPARES IN STOCK FOR ALL TYPES OF

PASSENGER VEHICLES.

NIGHT PHONE, CLECKHEATON 2461-2. MIRFIELD 3183, 2160.

WALES: R. COWDELL, NEWPORT 59866. 842-465

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ACTUALLY IN STOCK.
READY FOR IMMEDIATE SERVICE.

1953 DAIMLER Freeline super de luxe Continental armost new tyres, the whole coach in super condition, one only, price £1,450 to whole coach in super condition, one only, price £1,450 to underfloor 30-scatter Continental 1952 tal fuxury coach, Perspex top, in super condition, choice of two, £1,250 cach.

1950 33-scatter luxury coach, in super condition, cretificate of times 1961, £395.

1942 by Denil's Meter full-state youch, powered by Denil's Meter full-state youch, powered by Denil's Meter full-state you condition, throughout, £325.

throughout, £325.

1948 FODEN low-bridge double-decker, very modern looking machine, in excellent condition through

out, £295.

1948 certified and ready for immediate work, fitted with 7.7 and 9.6 engines, £275 each.

1948 LEYLAND 35-seater PS1 service buses, all the certified and ready for immediate work, £295 each.

1947 And 1948 BRISTOL 35-scater service buses.

1947 unmarked throughout, Gardner 5t.W diesels and 5-speed gearboxes, certified 1962, 2325 each, filest 1948 And 1949 BRISTOL super coaches, powered by Gardner 5t.W diesels and 5-speed gearboxes.

1948 And 1949 A.E.C. double-deckers, low-bridge 1948 all-metal bodies, 9.6 A.E.C. diosels, very clean divery excellent throughout, four only, 439's each. A N excellent selection of Leyland and Giuy double-deckers, some with almost new bodies, £275 each. 1958 12-14-seater MORRIS Mini bus, in almost new Condition throughout, £475.

A N excellent selection of DAIMLER 39-scater 30-ft. by 8 ft. service saloons, £275 each. GUY 30-ft. by 8-ft. 35-scater service saloons, £250 each.

LEYLAND low-bridge double-deckers, 1950 bodies, super condition, £295 each.

FRANK COWLEY. 3 BLACKFRIARS ROAD, SALFORD, 3.

Phone, Manchester Blackfriars 7577 and Blackfriars 1048.

BIRD'S COMMERCIAL MOTORS, LTD., BIRMINGHAM ROAD,

STRATFORD-ON-AVON. Telegrams, "Quicksale." Phone 3222-3-4 and 2136.

USED PASSENGER VEHICLES

ONE CROSSLEY DOUBLE DECK BUS. Year of registration, 1948. Good condition EIGHT DAIMLER DOUBLE DECK BUSES. Year of registration, 1948. Good condition. ONE A.E.C. DOUBLE DECK BUS,
Fitted 9.6 engine. Excellent condition.

FURTHER PARTICULA®S AND PRICES ON APPLICATION.

Used Passenge

COACHES 469-475 HOLI

only a limited BEDF exterior

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NEW coache Albion and ham, Duple, H WE are no Bedford, can offer good hand machines

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Burlingham 37-41-£1,275. ers, choice of four, choice of 15, from ypes for immedi od half-cabs, ch LED LIST. TYPES OF

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SERVICE. body, intercom, n super condition,

39-scater Continues, in super conont, no bulkhead, super condition £395. Ty coach, powered ngine, immaculate

cker, very modern-condition throughservice buses, all ediate work, fitted

service buses, all ediate work, £295 tter service buses, iner 5LW diesels £325 each, saches, powered by 5-speed gearboxes,

eckers, low-bridge diesels, very clean ily, £395 each, and Guy double-lies, £275 each, ous, in almost new

R 39-scater 30-ft. aloons, £250 each. 1950 bodies, super

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COACHES AND COMPONENTS, LTD., 469-475 HOLLOWAY ROAD, LONDON, N.7. Archway 2647 (five lines).

New BEDFORD diesel Duple 41-seater Super Vegas.

1957 BEDFORD petrol 41-seater Super Vega.

2057 exterior cream, red, certificate of fitness March. 1964.

BEDFORD petrol 36-seater Continental luxury
Duple, exterior ivory, red, certificate of fitness

1950 Duple, exterior ivory, red, certificate of fitness may, 1961.

1955 BEDFORD 38-seater Super Vega, fawn floral moquette, cream, red exterior, Perspex roof waster, ream exterior, glass roof quarters, clock, other two Perspex lift-up roof vents.

1954 BEDFORD 36-seater Super Vega, red moquette, clock of the seam exterior, glass roof quarters, clock, other waster, two Perspex lift-up roof vents.

1954 BEDFORD 36-seater Super Vega, red moquette, choice of the seater Harrington Duple, choice of the seater Parington Duple, choice of the seater Parington, certificate of siness to May, 1963, rust moquette.

1952 BEDFORD 35-seater Duple body, sliding roof, green moquette, exterior cream-green, certificate of fitness to Aday, 1963, rust moquette.

1951 Seater Duple body, sliding roof, and the property of the seater Duple body. Seater Parington Duple Seater Supple Seater Duple body, sliding roof, and the seater Duple body. Seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Duple body as a seater Supple Vega, and the seater Supple body as a seater Supple bod

1951 - exterior cream, red, certificate of fitness June.
1951 - 2.5 BEDFORD 35-easter Gurney Nutting body, certificate of fitness 1961; choice of three.
1951 - 2.5 BEDFORD 35-easter Gurney Nutting body, certificate of fitness Februare.
1951 - 3.5 DENNIS 37-seater, Gurney Nutting body, exterior maroon-cream, choice of two.
1950 - 5.0 DENNIS 37-seater, Gurney Nutting body, certificate of fitness 1960, choice of two.
1950 - ALBON (disease), 31-seater Allweather body, certificate of fitness 1960, choice of two.
1951 - 3.5 DENNIS 33-seater Duple body, exterior maroon-cream, certificate of fitness December, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 1961, 196

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1959 BEDFORD petrol 41-seater Duple, extras (choice of two). 1957 COMMER TS3 41-seater Plaxton (one owner).

1956 (choice of two).
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1952 FODEN 6LW Plaxton 41-seater luxury coach, heaters, finished in maroon and cream, certificate of fitness 1962. Whitson 33-seater luxury coach, d heater, finished in grey and blue, certifica

tiness 1964.

249 COMMER Plaxton 30-seater luxury coach, acry brakes, heater, certificate of fitness 1964.

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A.E.C. Double-deckers (55) and single-deckers (35), green and cream, certified, from £150.

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1959 MORRIS 11-scater P.S.V. Minibus, Wadham luxury conversion, face-forward scats, 3,000

miles 271 dixury conversion, tace-croward seas, 3,001 metal luxury coach body, air brakes, £2,250, 1953 metal luxury coach body, air brakes, £2,250, 1954 BEDFORD 34-seater Duple Super Vega, £2,750, 1954 BEDFORD 29-seater Duple Vista, high-back seater, certificate of diress three years, £252, 1950, 7 ft. 6 in, high-back seats, £693, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 1950, 19

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3 A.E.C. Regal 35-seater luxury coach, Whitson 1953 body, full front, floral moquette, certificate of thiness 3.1.10,1962, heaters cab and saloon, £1.201.

1951 LEYLAND PS2 37-seater half-cab, Harrington body, floral moquette, certificate of finess

hiness 31.10.1962, neaters ear and handsome.

1951 LEVIAND PS2 37-seater half-cab, Harrington body, floral moquette, certificate of fitness of the polytopic polytopic

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A.EC. Reliance, mounted Duple, Plaxton, Harring-ton 41-scater coach bodies, finished to

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1954 Befford Porty September 1951 air brakes, well
1956 BEFFORD Vistas, 29-seater, cyclificate of
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SEVERAL 29-seater BEDFORD Vistas, 1948 onwards, and 33-36-seater diesel, suitable for service work.

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Fully fronted AUSTIN 26-seater, certificate of three states and the seater states are seater states and the seater states are seater states and the seater states are seater seat

1947 Vista, 29 high backs, flashers, certificate of fitness November, 1961, £259. FODEN, 35 seats, Windover body, radio, new tyres, 6LW Gardner, certificate, of fitness 1963,

1949 COMMER Avenger, 32 high backs, certificate of fitness 1962, heater, £375.

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Austin, Bedford, Commer, E.R.F., Foden, Maudslay, Morris, Thornycroft and Vulcan, including 19 diesels up to 14 tons capacity.

3 SEMI-TRAILERS. 5 SALOON CARS.

CHASESIDE SHOVEL, LATHE, TYPEWRITERS and other equipment surplus to the requirements of British Road Services, Ltd., and B.R.S. (Parcels), Ltd., on

WEDNESDAY, FEBRUARY 10, Commencing at 2 p.m.

On view Tuesday prior and morning of Sale.

Catalogues (6d.) from the Chartered Auctioneers: WARNER, SHEPPARD AND WADE,

16-18 HALFORD STREET, LEICESTER.

BUSINESSES, PREMISES, OFFICES, ETC. HOUSINESSES, FREWINDESS, OFF Shetheld, very House the delected business, imitted company in Shetheld, very House the delected business connections with some of the large steel engineering works, nine open A licences, total tonnage approx. 46 tons, renewed in July, 1959, depot available if required. Price and further particulates write Box CM413, care of "The Commercial Metior." 843-8245

Motor: 843-82.29

South Norwood. 9,500 sq. ft. industrial buildings with part single-storey previously used for baking, lease 30 years, rent £230 p.a. excl. Leasehold for accommersian and Willows, 23 Moorgate, £C.2. (Met \$001.3 F on ale, old-established business—the freehold gara and premises situated at Goole together with per pumps and stock in trade, etc. For further particula apply Measrs. Silvester and Sons, Solicitors, Goole, Pho-784.5 284-5.

AULAGE business for sale, border of East and West
Midlands, limited company, self-contained unit
modern fleet of five vehicles, 30 tons unladen weight
Box CM 429, care of "The Commercial Motor."

842-0.14

HAULAGE business. Liverpool. Yard. offices, whiches the care of a care of a

Miscellaneous Advertisements (contd.)

SOUTHAMPTON.

ON MAIN ROAD TO PORTSMOUTH. SINGLE-STOREY FACTORY AND

WAREHOUSE

having covered area of about 16,000 sq. ft., including Canteen, Stores, Offices. Central heatings. Site extends to about TWO ACRES, thus providing scope for extension. adjoin and provide good pool of male and female labour premises now vacant are to be let on lease at economic rent of 3x. 6d. per sq. ft., or £3,000 p.a. Sult light industry or warehouse and distribution.

Full details and plans from SOLE AGENTS:

HAMPTON AND SONS, 6 ARLINGTON STREET, ST. JAMES'S, S.W.I. Hyd 8222.

OUTWELL, NR. WISBECH. CAMBS.

THE FREEHOLD BUSINESS PREMISES.

Highly suitable for Garage, Pre-Packing Station, Light Industrial Works, Haulage Contractors, Coach Services, Warehouse, Accommodation, etc.,

MODERN DWELLING HOUSE OF BRICK AND TILE CONSTRUCTION.

PETROL SERVICE STATION and KIOSK having four Electric Petrol Pumps with underground storage tanks for 3,600 gallons.

EXTENSIVE GARAGE, WORKSHOPS, STORES AND OFFICE PREMISES of mainly brick and corrugated asbestos construction having a covered floor area of

9,000 FT. SUPER OR THEREABOUTS. Services: Mains water and electricity.

Full particulars from

MESSRS. HENRY BOND AND SON. F.A.L.P.A., F.V.I.,

VALUERS, ESTATE AGENTS AND AUCTIONEERS.
UPWELL AND WISBECH, CAMBS.
(Phone, Upwell 2207.) 843-8268

Miscellaneous .

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STUATED in la established coamprehensive licenperiod bookings contract, also schoemises. (Would CM4225, care of "

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WILDE HAD

HAULAGE bus general A lic les CM4230, care COACH business good excursion nos CM4229, care

Businesses, P WANTED, mo 10,000-20,000 by well-known na Chamberlain and 201.)

Wanted, hau ordinary A lithe country, or all business for a come our books.

WILD HAI

SMALL haulage or Metropolit mowing a loss. Thurrock, Essex. TRANSPORT E any area, A Box CM3512, car

TRANSPORT chester area, with regular traf Please write, giv treated in strict Commercial Mot TRANSPORT to area, A lice regular traffic to write, giving full is strict confiden mercial Motor."

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SUB-CONTRAC for clean, re-prompt settlement mercial Motor." CONTRACT w Preston, any Commercial Mot

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£6 5s. each. Shifnal 842-8233 grips. as new. £85 ne 505. 842-105 Vanted

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epairs under Barimar and broken cylinder valve scats, smashed all other motor and Barimar. Speedy House, 22-24 Peter-6. Renown 2147-8. Newcastle-on-Tyne, in at full blast. KHAM), LTD., defective tranke

Works, Springfield Chesham 8967 (three o repair, rebuild or els of all types with 863-8145 nley (phone 2262).

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Phone. Bolton 9671,
es and sizes. English d and most others. 2,000 in stock. dd Paddocks, Pope's 298. NSIONS

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SMOUTH. ORY AND

o sq. ft., including ing. Site extends to scope for extension, nsive housing estates and female labour, in lease at economic O p.a. Suit light distribution.

ONS. EET.

-WITH VACANT R. 1960. H. CAMBS.

PREMISES, cing Station. Light rs. Coach Services, on, etc.,

House TRUCTION. KIOSK having four ound storage tanks

PS, STORES AND ck and corrugated red floor area of HEREABOUTS.

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Miscellaneous Advertisements (contd.)

SMALL established coach and car hire, two coaches.

Bood contracts, house, Sussex. Box CM4224, care of

The Commercial Motor."

TILATED in large South West industrial town, oldattablished coach business, 17 modern coaches with apprehensive licences, for excursions and tours, express saided bookings extended tours, and express workers contract, also schools, and private hire, with modern senties. (Would consider splitting.) Apply Box 04425, care of "The Commercial Motor.". 842-367

Interest approximately 16 tons unladen weight, with one normal user conditions, price £4,950 businesses on We lake have a number of other haulage businesses on our books, large and small, in all parts of the country; let us have your inquiries; hire-purchase terms milable in approved cases.

WILDE AND BENNETT, LTD.,

HADFIELD, MANCHESTER. Phone, Glossop 2902-3. AFTER HOURS 2356.

HAULAGE business, North Western area, for sale general A licenses, owing to retirement, particular lor CM4230, care of "The Commercial Motor."

COACH business for sale in Manchester, five coaches, good excursion licence, freehold property, etc., £5,500.

Pfiling station and garage on main London to Cateon road, 64 miles from Cokhester, four pre-set gathesistering pumps, 1,22-sq.-ft. covered floor area and the company of the company of the company of the company of the co

Basinesses, Premises, Offices, etc., Wanted WANTED, modern mainly ground floor factory of 10,000-20,000 sq. ft. in South, S.W. of S.E. London by well-known national concern, to purchase or rent. Camberlain and Willows, 23 Moorgate, E.C.2. (Met. and 1)

WANTED, haulage businesses with special A licences, ordinary A licences and B licences in any part of the country, or alternatively we are prepared to sell your business for a commission as we have numerous clients on agr books.

WILDE AND BENNETT, LTD.,

HADFIELD, MANCHESTER. AFTER HOURS 2356.

SMALL haulage business with 2 or 3 A licences, Essex or Metropolitan area, willing to take over a business showing a loss. Draper's Transport, Flint St. West hurrock, Essex. Purflect 5415. 842-x2936 TRANSPORT business, large or small, urgently required any area, A or B licences, with or without premise Eax CM3512, care of "The Commercial Motor."

Res CM3512, care of "The Commercial Motor."

TRANSPORT business required to purchase in Manchester area. A licences 30 tons or over, preferably with regular traffic to London, own staff could remain. Hease write, giving full details, all information will be unted in strict confidence. Box CM4234, care of "The Commercial Motor."

TRANSPORT business required to purchase in Liverpool 1 area. A licences 30 tons or over, preferably with wide, giving stull details, all information will be treated in strict confidence. Box CM4233, care of "The Comercial Motor."

HAULAGE business, London area, urgently required, minimum 20 tons. Box CM2721, care of "The Commercial Motor."

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L stea. A licences 30 tons or over, preferably with
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CONTRACT FOR HIRE AND

WANTED
SUB-CONTRACTOR required, London-based, A licence, for clean, regular long-distance work. Good rates, montpl settlement. Box CM403, care of "The Commercial Motor."

CONTRACT work wanted. Scammell 8-wheeler, based Preston, any distance. Box CM4212, care of "The Commercial Motor." A CONTRACT wanted for new 7-yd. Thames Trade tippers, any area. Box CM4220, care of "The Commercial Motor."

CONVERSIONS CONVERT YOUR VEHICLES TO FORD 4D AND 6D POWER.

ALL MAKES OF VEHICLES UP TO 7 TONS CAN NOW BE FITTED WITH THE COST-CUTTING FORD 4D AND 6D ENGINES, MEANING:--

LOWER INITIAL COST. MORE M.P.G. CHEAPER MAINTENANCE.

And the cost of conversion is very reasonable. Let us quote you for your vehicles,

QUICKS FOR FORDS.

INDUSTRIAL UNIT SALES DEPT. WILMSLOW ROAD, CHEADLE, CHES. Phone, Mercury 2345-6.

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DIESEL 4D AND 6D ENGINES WITH REAR-END CONVERSIONS AT LOW COST. LET US QUOTE YOU.

PERCY HENDY, LTD., SOUTHAMPTON 28331 (EIGHT LINES).

> NEW PERKINS ENGINES FOR PETROL TO DIESEL

CONVERSION. AUSTIN, BEDFORD, COMMER, FORD, DODGE, VULCAN, ETC.

Outright Sales or Installation at Short Notice. PERKINS SIGNHOLDERS.

COMPREHENSIVE SPARES STOCKISTS. Replacement Perpetuity Engines always available from stock.

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HIRE-PURCHASE

H.P Facilities available to established dealers. Prompt service, daily settlements, London and Home Counties only.

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INSURANCE

PAUL CHILDS, LTD., LONDON, W.3.

Acorn 2398. BEST market rates—no-claim bonus to 40%. Monthly or quarterly payments accepted.

MISCELLANEOUS

OFFERS Invited for 150 carbon dioxide cylinders, complete with fittings (ex-fire tenders).

L. A. RICH, 514 Coldhams Lane, Cherryhinton, Cambridge 87597. 843-8222 FOR sale: Six second-hand Setright registers. Apply, Murrhall Garage, Salsburgh, By Motherwell. Phone, Salsburgh 207.

ToW hook, rear, new, all size vehicles 5 to 20 tons. average. El 10s. each.

E. TREM AND CO., LTD., Bawtry Rd., Finningley, near Doncaster. Phone, Finningley 203-4, 842-205

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A. M.I.N.I., City and Guilds, A.M.I.Mech.E., etc., on the details of exams, and courses in all branches for 148-page handbook free, B.I.E.T. (Dep. 725), 29 Wright Lane, London, W.8.

ASSISTANT MANAGER,
COMMERCIAL VEHICLE SALES,
FORD DISTRIBUTORS. osition in expanding dealership for experienced salesman with organizing ability.

Full particulars in writing to BROOK SHAW, LTD.,
FORD CORNER, NORFOLK STREET, SHEFFIELD, 1.

COMMERCIAL Vehicle Salesman required. This offers an excellent opportunity to a man of experience for further advancement with busy B.M.C. distributors who commission, and a car will also be provided. Write, giving full details of experience, etc., in strict confidence, to The Manager, Sam Robbins, Ltd., Austin Distributors, 25-32 Cox St., Coyentry.

THE STALYBRIDGE, HYDE, MOSSLEY AND DUKINFIELD TRANSPORT BOARD.

APPOINTMENT OF Engineering Superintendent.

Applications are invited from practical engineers who have experience in the repair and maintenance of Public Service vehicles, other rolling stock, buildings, machinery and plant. Some maintenance experience with overhead cupiment would be an advantage.

Salary—within Grade A.P.T.III. £880-£1.065 according to experience. N.J.I.C. conditions, car allowance £100 per annum. Superannuable post subject to medical examination.

Applications, stating age, education, technical and other qualifications, brief details of experience, indicating past qualifications, brief details of experience, indicating past and the control of th

Miscellaneous Advertisements (contd.)

HEMSWORTH RURAL DISTRICT COUNCIL

APPOINTMENT OF MOTOR ENGINEER.

Applications are invited for the above appointment. Pre-ference will be given to candidates who hold suitable technical qualifications and the person appointed will be responsible for the maintenance of all the Council's diesel and petrol engined vehicles and other mechanical equipment under the direction of the Council's Senior Public Health Inspector.

The aucconsful applicant will be required to work a minimum of 44 hours per week and to comply with conditions of service as specified by the Council. The salary will be in accordance with Grade VI of the scales of salary included in the Scheme of Conditions of Service as specified by the Conditions of Service Service as specified by the Conditions of Service Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services (£715) per annum rising to £775 per annum. Further particulars in conscion with the appointment may be obtained from the Applications stating age, qualifications and experience, accompanied by copies of two recent testimonials and enclosed in a plain envelope endowed "Motor Engineer," must be received by the undersigned not later than February 17, 1960.

An applicant must disclose in writing whether he is

applicant must disclose in writing whether he is ted to any member or senior officer of the Council canvassing, either directly or indirectly will be a disqualification.

A. H. COLLEY. Brierley Hall, Brierley, near Barnsley, February 5, 1960. Clerk of the Council.

FUEL pump mechanic required with experience on all types of English and American equipment. State age and experience to Works Supervisor, Western Contractor Services, Ltd., Severn Rd., Hallen, Bristol. 842-031

Services, Ltd., Severn Rd., Hallen, Bristol. 842-033

**ALES representative required with experience in coachbonallack alloy bodies in Northumberland and Durham,
Bonallack alloy bodies in Northumberland and Durham,
valary required. Good opportunity for man with the right
qualifications. Car supplied to successful applicant. Apply
Northern Assemblies, Ltd., Durham Rd., Blackhil,
Consett, Co. Durham.

CITY OF BIRMINGHAM. SALVAGE DEPARTMENT.

APPOINTMENT OF TRANSPORT OFFICER.

Applications are invited for the post of TRANSPORT OFFICER in the above department at a salary within the range £1,065-£1,220.

Candidates must be Corporate Members of a recognized engineering or transport association and the person appointed will be responsible for the complete maintenance and repair service for a mechanical fleet comprising about 266 vehicles.

Full details of the appointment may be obtained from the undersigned to whom completed applications must be delivered not later than FRIDAY, MARCH 4, 1960.

COACH painters, first-class men; top rates and overtime, 842-012

A DEN. British merchant house distributing leading autos department. Candidates should be not less than 30, be men of personality with good sales experience company automotive activities in Aden. Excellent prospects to keen and capable man. Free air passages, rentree furnished accommodation, non-contributory pension scheme, home leave. Write Box JA/182, care \$42.007

BLOX SERVICES, LTD.,

LONDON ROAD, MORDEN, SURREY,

THAMES AND COMMER DEALERS,

HAVE A VACANCY FOR A FIRST-CLASS C.V. SALESMAN.

Applications are invited from energetic senior salesmen with a proven C.V. sales record and with current live contacts. This company, which operates its own sub-dantial commercial fleet, will provide ample backing in seperience, advertising and canvassers to the salesman with the necessary drive and umbition to carn £1.20/£2,060 per annual.

Remuneration will be by way of a good salary, unique commission scheme and expenses. A car is provided and a contributory pension scheme. Candidates who can satisfy these essential qualifications should write to the "Sales Director." stating age, experience and record.

The strictest confidence will be observed during negotiations consequently; envelopes should be endorsed tions consequently; "Confidential."

MORRIS-COMMERCIAL distributors in Kent and Sussex, have an opening for an experienced Commercial Vehicle Salesman. Salary and commission person excellent prospects. Apply by letter, please to Head Office, Caffyns Ltd., Meads Rd., Eastbourne 842-348

Miscellaneous Advertisements (contd.)

A DEN. British merchant house require a garage and have sound practical knowledge of garage workshop management, and car and commercial vehicle repair, and servicing. Experience of Land Rovers advantageous. Prospects to keen and capable man. Free air passages, rent-free furnished accommodation, non-contributory pension scheme, home leave. Write Box JA/181, care 39 Bishoppgate, London, E.C.2.

FOR MAINTENANCE AND REPAIR OF MOTOR LORRIES, CARS, ETC.,

required by METROPOLITAN WATER BOARD

NEW RIVER HEAD.

Wages, £11 19s. 3d. for a 44-hour week. Appointment to pensionable staff optional to suitable candidate after men only, stating age and experience, to the Chief Engineer, Metropolitan Water Board, New River Head. Rosebery Avenue, E.C.1.

Canvassing disqualifies and relationship to any member, officer or employee must be disclosed.

S. D. ASKEW,

Clerk of the Board. 842-022

CHIEF clerk required by road transport undertaking of large trading organization in North East Man-

chester.

Good knowledge of accountancy, general office routine, together with the ability to organize and control staff, is essential.

A knowledge of the Hollerith system will be an advantage. Superannuation fund, five-day week in

The instruments of the commercial motors, and present salary, to Box CM4215, care of "The Commercial Motor," to be received not later than February 15, 1960.

KILLED mechanics for Bedford diesel, petrol 842-150.

KILLED mechanics for Bedford diesel, petrol 842-160.

Box CM 4214, care of "The Commercial Motor," 842-147.

La Commercial vehicle salesmen. Apply in own hand-titing giving fullest possible details to Box CM425, care "The Commercial Motor." 842-141

Of "The Commercial Motor."

CHEMICAL manufacturers require a transport manager with sound experience of costing, scheduling and labour control. Responsibilities over the operation and maintenance of a fleet of C-licensed vehicles and private materials.

Salary commensurate with responsibilities. Apply Box CM423, care of "The Commercial Motor."

A DDITIONAL car and commercial-vehicle anlesmen their capperienced preferred but not essential as training of drive and initiative in an expanding organization. Apply, stating past career and in which department interest lies. W. Waters and Sons, Ltd., Barnet By-pass, Hatfield. Phone 2711.

WANTED

100 TIPPERS FOR COAL AND COKE HAULAGE

Areas Yorkshire to the South Coast

With or Without Licences

SIMPSONS

THE COAL PEOPLE

Bridge House, The Newarke, LEICESTER.

GRANBY 2550.

Miscellaneous Advertisements (contd.)

POREMAN for small commercial repair shop in Southern England, first-class experience of light, heavy vehicles, cheerful disposition and good organizing ability essential, Details of experience and salary. Box CM4213, care of "The Commercial Motor."

"The Commercial Motor."

ENERGENCED Clearing House Manager required for North West depot, must be fully conversant with all aspects of houlage, good salary and conditions. Replies to Box CM4222, care of "The Commercial Motor."

GARAGE manager urgently required by progressive, well-established company in West Middands, applicants must be ambitious and energetic, preferably under 45 years, with experience of facet maintenance and public garage work to managerial level, exceptional conditions, salary and prospects are offered in return for integrity, qualifications, present position and salary. Box CA4227, care of "The Commercial Motor."

TLEET sales representative required by main dealer situated in South Cheshire to contact users in all east situated in South Cheshire to contact users in all east situated in South Cheshire to contact users in a secondary with the same secondary with the same secondary with south situation and secondary with south situation and secondary with situation and secondary situation and secondary situation and secondary situation and secondary situations are secondary situations.

EXPERIENCED traffic clerk required for East London contractors, knowledge local and long-distance haulage, only keen and energetic men need apply. Back CM4231, care of "The Commercial Motor." 842-433

MOTOR fitter required, must be fully experienced diesel and petrol, to assist in maintaining medium feet of pantechnicons, excellent opportunity for first-class mechanic, top wages, sick pay, good working conditions, pleasant house available to successful applicant. Details of experience to Pilot Transport, 163 West Wycombe, Bucks.

STORAGE ACCOMMODATION

NORTH CAMBRIDGESHIRE. 200,000 cu. fi. good. dry storage available. good handling facilities with excellent collection and redistribution service.

KNOWLES (TRANSPORT), LTD., Wimblington, March, Cambs. Phone, Doddington 233-4. zzz-800.

TENDERS

NOTTINGHAMSHIRE COUNTY COUNCIL.

TENDERS ARE INVITED FOR THE SUPPLY OF EIGHT AMBULANCE SERVICE VEHICLES ON BEDFORD CHASSIS, EIGHT VEHICLES OF SIMILAR TYPE BEING OFFERED IN PART EXCHANGE.

Tenderers may submit tenders for all or any of the vehicles to be supplied and tenders on a non-part-exchange basis will be considered.

Further particulars and tender documents may be obtained from the County Medical Officer. Shire Hall, Nottingham. Completed tenders, in the envelopes to be supplied, should be received by me not later than 10 a.m. on February 19, 1960.

A. R. DAVIS,

Clerk of the County Council. County Hall, West Bridgford,

Nottingham.

EICESTER CITY TRANSPORT have for disposal:-NINE LEYLAND P.D.1 1946 56-seater oil-engined double-deck omnibuses, all carrying a certificate of

NSPECTION on application to the Chief Engineer.

NSPECTION on application to the Constitution of the Constitution o





Miscellaneous Advertisements (contd.)

NEWHAVEN URBAN DISTRICT COUNCIL

DISPOSAL OF

GULLY CESSPOOL EMPTIER.

The Council have for disposal one gully/cesspool emptying machine consisting of a Bedford 5-ton long-wheelbase chassis with Eagle tank and pumping gear which can be removed from the chassis and replaced with a lorry body. Inspection of the vehicle at the Council's depot may be made by interested persons by appointment.

Tenders, in plain sealed envelopes endorsed "Tender-Gully/Cesspool Emptier," should be received by the undersigned not later than noon on Tuesday, March & 1960.

N. C. SIMSON. Clerk of the Council.

Council Offices, Fort Road, Newhaven. January 27, 1960.

ROYAL BOROUGH OF KINGSTON-UPON-THAMES.

REFUSE TRAILERS.

TENDERS ARE INVITED FOR THE SUPPLY OF TWO STEEL-BODIED REFUSE TRAILERS.

Forms of Tender, etc., from the Borough Surveyor, Guildhall, Kingston-upon-Thames, on deposit of fl, refundable on receipt of a bona fide tender not subsequently withdrawn.

Tenders, in sealed envelopes provided, to undersigned not later than first post Monday, February 29, 1960. The Council do not bind themselves to accept the lowest or any Tender.

A. B. ROGERS Town Clerk.

Guildhall, Kingston-upon-Thames. January 29, 1960.

842-412

BOOKS AND PUBLICATIONS

MAINTENANCE RECORD (Charnwood Series No. 39). A life history of each vehicle with tyre records, petrol and oil consumption, 4s. 6d. post free.

DESEL oil stock books. Cost books, etc. Send for descriptive lists. CHARNWOOD PUBLISHING CO., LTD., Coalville, Leicester. 222-80

Leicester.

ZONDON WHARVES AND DOCKS (2nd Edition). A guide to the wharves and docks lining the river from the control of the control of the wharves to the control of the wharves to respect to the wharves to receive with 17 full-page maps showing their the wharves together with 17 full-page maps showing the london's dock area is included. Illustrated, 104 pages, 7s. 6d. net (laminated paper board) and 6s. net (laminated card covers) from booksellers, or 8s. 2d. and 6s. 7d. respectively by post from the publishers, Temple President Control of the control o

Limited Bowling Green Lane, London, E.C.I. TextBook
MOTOR VEHICLE MECHANICS' TEXTBOOK
Scoond Edition), by F. K. Sully. Based on the
Syllabus of the City and Guilds of London Institute
Examination in Motor Vehicle Service Mechanics' Works,
this book is designed for students entering for the award
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rechnology, It deals with many of the mathematical and
mechanical problems which a motor-vehicle mechanic is
likely to encounter in his work. Illustrated, 237 pages,
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Illustrated, 237 pages,
English Consolidation of the mathematical and
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Lane, London, E.C.I.

THE OPERATOR'S GUIDE TO THE TRANSPORT

ACT, 1953. Explains the process of denationalization
of road goods transport and the rights and liabilities of
road transport operators. 32 pages, 1s. 6d. net from
booksellers, or 1s. 8d. by post from the publishers, Temple
Press Limited, Bowling Green Lane, London, E.C.I. 222

"MODERN CLEANSING APPLIANCES," by Ashler with information on its practices and appliances both is Great Britain and abroad. Illustrated, 160 pages, 12s. 6d. net from booksellers, or 13s. 4d. by post from the publishers, Temple Press Limited, Bowling Green Law.

TYRES!!! TYRES!!! TYRES!!! H. MATTHEWS LTD.

10,000 Tyres always in stock.
ALL MAKES AND SIZES SAVE MONEY

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FOR LEADING COMMERCIAL VEHICLES
MORRIS-COMMERCIAL THAMES
LEYLAND-ALBION-STANDARD-AUSTIN

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Eve. LONGFIELD 2524

1957 Austin 5 cubic yard Tipper... £450 1958 Morris 15 cwt. J2 Van £300 .. £300 1955 Morris 1 ton L.D.I. ... 1949/51 Commer Mun. Tprs. from £80 1954 Bedford 10/12 cwt. Van £200 .. £600 1956 Austin L.W.B. Diesel Truck

February 5,

P.O. BOX 2 ROSSENDA BURNLEY,



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GASON

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Borough Surveyor, is deposit of \$1, fide tender not

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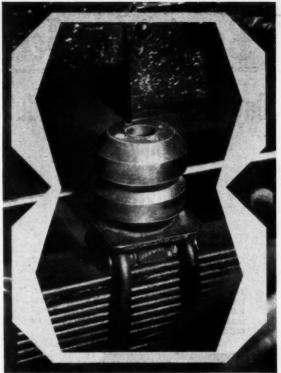
n £80 £200 manable from your Local Garage or Factor. Further details from:

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Commer TS3 front installation

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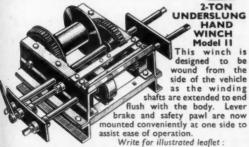
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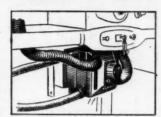




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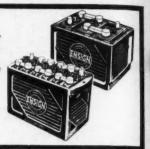
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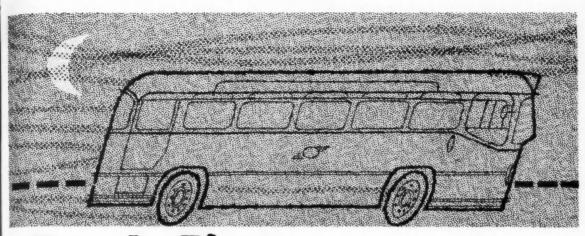
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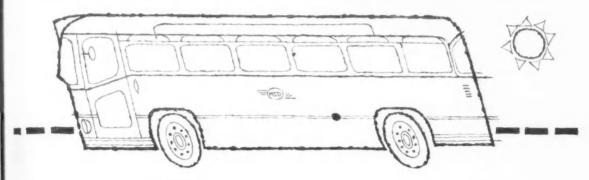
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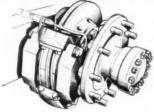


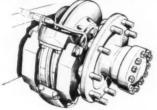


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